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# TRILOBITA

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J. T. TEMPLE, M.A., Ph.D.

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**Declaration 34.** Clarification of the procedure to be followed by the International Commission on Zoological Nomenclature when at the conclusion of a vote on an application for the use of its Plenary Powers it is found that a majority but not a two-thirds majority of the Members of the Commission voting thereon has voted in favour of the application in question. Opin. int. Comm. zool. Nom. **17** 2 : iii–xii.

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**Amsden,** T. W. Catalog of Fossils from the Middle and Upper Ordovician of Oklahoma. Circ. Okla. geol. Surv. No. 43 : 41 pp.

**Balashova,** E. A. On the morphology of trilobites. Voprosy Paleont., Leningrad **2** 1955 : 19–35 pl. 8 text-figs. [In Russian.]

**Borukaev,** R. A. The Prepalaeozoic and Lower Palaeozoic of north-east Central Kazakhstan (Sary-Arka). Acad. Sci. Kazakhstan S.S.R. (Inst. geol. Sci.), Moscow 1955 : 407 pp. 105 text-figs. 37 tables. [Some Trilobita det. N. K. Ivshin and K. A. Lisogor.] [In Russian.]

**Bright,** R. C. New look at *Elrathia Kingii* (Trilobita) [Abstract]. Bull. geol. Soc. Amer. **68** 12 : 1859–1860.

**Brooks,** H. K. Chelicerata, Trilobitomorphia, Crustacea (exclusive of Ostracoda) and Myriapoda, *in* H. S. Ladd [ed.], Treatise on Marine Ecology and Paleoecology Volume 2 Paleoecology. Mem. geol. Soc. Amer. No. 67 : 895–929 [Trilobita pp. 908–919].

**Cailleux,** A. *see* Chavan, A.

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**Chavan,** A. & **Cailleux,** A. Détermination pratique des Fossiles. Masson et Cie, Paris : 385 pp. 2959 text-figs. [Trilobita pp. 151–153, 315–321.]

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**Craddock,** J. C. Stratigraphy and Structure of the Kinderhook Quadrangle, New York, and the " Taconic Klippe ". Bull. geol. Soc. Amer. **68** 6 : 675–723 pls. i–iii text-figs. 1–7.

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**Durham,** J. W. & **Melville,** R. V. A classification of echinoids. J. Paleont. **31** 1 1957 : 242–272 text-figs. 1–9 [Comments on ? Silurian Raphiophorids by C. J. Stubblefield & H. B. Whittington pp. 243–4.]

**Egorova,** L. I. *see* Kiparisova, L. D.

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**Evitt,** W. R. Silicified middle Ordovician trilobites, family Encrinuridae [Abstract]. Bull. geol. Soc. Amer. **68** 12 : 1724.

**Firtion,** F. Les éléments paléontologiques dévoniens du Val de Bruche. Ann. Univ. saraviensis Sci. **6** 2–3 : 97–184 pls. i–x text-figs. 1–11.

**Fisher,** D. W. Mohawkian (Middle Ordovician) Biostratigraphy of the Wells Outlier Hamilton County, New York. Bull. N.Y. St. Mus. No. 359 : 1–33 pls. i–vi text-figs. 1–2.

**George,** T. N. & **Oswald,** D. H. The Carboniferous rocks of the Donegal syncline. Quart. J. geol. Soc. Lond. **113** 2 : 137–179 pls. xiv–xvi text-figs. 1–15.

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**Grant,** R. E. Trilobite distribution, Upper Franconia Formation, Wabasha County, Minnesota [Abstract]. Bull. geol. Soc. Amer. **67** 12 (for 1956) 1957 : 1700.

**Greiling,** L. Der Kalk der Löhmar-Mühle (Gotlandium, Frankenwald). Senckenbergiana leth. **38** 3–4 : 251–259 text-figs. 1–2. [Trilobita det. K. Sdzuy.]

**Harrington,** H. J. Notes on New Genera of Pliomeridae (Trilobita). J. Paleont. **31** 4 : 811–812.

**Harrington,** H. J. & **Leanza,** A. F. Ordovician Trilobites of Argentina. Spec. Publ. Dept. Geol. Univ. Kansas No. 1 : 276 pp. 140 text-figs.

**Heller,** R. L. *see* Errata.

**Henningsmoen,** G. (**1**). The Trilobite Family Olenidae. With Description of Norwegian Material and Remarks on the Olenid and Tremadocian Series. Skr. norske Vidensk-Akad. I Mat.-Nat. Kl. **1957** No. 1 : 303 pp. pls. i–xxxi text-figs. 1–18 charts 1–6.

**Henningsmoen,** G. (**2**). A Trilobite with North American Affinities from the Upper Cambrian of Sweden. Bull. geol. Instn Univ. Upsala **37** 1–2 : 167–172 pl. i text-fig. 1.

**Hiltermann,** H. Rudolf Richter—1881–1957. Micropaleontology **3** 2 : 192 portrait.

**Holtedahl,** O. & **Dons,** J. A. [eds.] Geological Guide to Oslo and District. Text to " Geologisk kart over Oslo og omegn " (Scale 1 : 50000) published 1952. Skr. norske Vidensk-Akad. I Mat.-Nat. Kl. **1957** No. 3 : 86 pp. 42 text-figs.

**Ishii,** K. A New Occurrence of Gotlandian Trilobite from Ehime Prefecture. J. geol. Soc. Japan **58** No. 683 1952 : 386. [In Japanese.]

**Ivshin,** N. K. Middle Cambrian Trilobites of Kazakhstan Part II (The Agyrek faunal horizon in the region of the Agyrek mountains). Acad. Sci. Kazakhstan S.S.R. (Inst. geol. Sci.), Alma-Ata : 108 pp. pls. i–iii text-figs. 1–3. [In Russian.]

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**Jaanusson,** V. Unterordovizische Illaeniden aus Skandinavien. Bull. geol. Instn Univ. Upsala **37** 1–2 : 79–165 pls. i–x text-figs. 1–26 tables 1–3.

**Jegorova,** L. I. *see* Egorova, L. I.

**Jentsch,** S. & **Röder,** D. Zur Geologie des Taunusquartzits bei Bad Homburg. Notizbl. hess. Landesamt. Bodenforsch. **85** : 114–128 pl. vi text-figs. 1–2.

**Khalfin,** L. L. Devonian System Class Trilobita, *in* L. L. Khalfin [ed.], Atlas of the leading forms of the fossil fauna and flora of Western Siberia I. Moscow 1955 : 272–274 pls. lxiv *pars*, lxv *pars* text-fig. 194. [In Russian.]

**Khalfin,** L. L. *see* Egorova, L. I.

**Khalfin,** L. L. *see* Lomovitskaya, M.P.

**Khalfin,** L. L. *see* Sivov, A. G.

**Kielan,** Z. On the trilobite family Staurocephalidae. Acta palaeont.

polon. **2** 2–3 : 155–175 pls. i–vi text-figs. 1–5. [Polish and Russian summaries pp. 176–180.]

**Kindle,** C. H. & **Whittington,** H. B. Limestone conglomerates of the Cow Head area, western Newfoundland [Abstract]. Bull. geol. Soc. Amer. **67** 12 (for 1956) 1957 : 1712.

**Kiparisova,** L. D., **Markovski,** B. P. & **Radchenko,** G. P. [eds.]. Materials on Palaeontology. New families and genera. Trud. VSEGEI, Moscow NS [Pal.] **12** 1956 : 1–354 43 pls. [Class Trilobita by N. E. Chernysheva, L. I. Egorova, L. V. Ogienko, O. K. Poletaeva, L. N. Repina pp. 145–182 pls. xxviii–xxxiii.] [In Russian.]

**Knopf,** E. B. Stratigraphy and structure of the Stissing area, Dutchess County, New York [Abstract]. Bull. geol. Soc. Amer. **67** 12 (for 1956) 1957 : 1817–1818.

**Kobayashi,** T. (**1**). Upper Cambrian Fossils from Peninsular Thailand. J. Fac. Sci. Tokyo Univ. [2] **10** 3 : 367–382 pls. iv–v text-figs. 1–4.

**Kobayashi,** T. (**2**). Notes on Two Devonian Trilobites from the Kitakami Mountains in Japan. J. Fac. Sci. Tokyo Univ. [2] **11** 1 : 1–10 pl. i text-fig.

**Kramarenko,** N. N. New representatives of the Ordovician trilobite genus Monorakos Schmidt of the Siberian platform. Materials for the Principles of Palaeontology No. 1 Palaeont. Inst. Acad. Sci. S.S.S.R.: 49–55 pl. i *pars*. [In Russian.]

**Ladd,** H. S. *see* Brooks, H. K.

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**Lemche,** H. Supposed Asexual Reproduction in Trilobites. Nature, Lond. **180** 4590 : 801–802 text-figs. 1–3.

**Lermontova,** E V. *see* Errata.

**Lisogor,** K. A. *see* Borukaev, R. A.

**Lomovitskaya,** M. P. Silurian System Class Trilobita, *in* L. L. Khalfin [ed.], Atlas of the leading forms of the fossil fauna and flora of Western Siberia I. Moscow 1955 : 166–179 pls. xxi *pars*, xxii text-figs. 168–173 [Descriptions of new taxa also by O. K. Poletaeva.] [In Russian.]

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**Lu** Yen-hao. Trilobita, *in* Index Fossils of China, Invertebrate, Part III. Institute of Paleontology, Academia Sinica, Peking : 249–294 pls. cxxxvii–clv text-figs. 58–64. [In Chinese : duplicated pl. expl. in English paginated 1–8.]

**Maksimova,** Z. A. (**1**). On the morphology of the genus *Brachymetopus* McCoy (Trilobites). Annu. Soc. paléont. russe **16** : 58–61 pl. *pars* (p. 63). [In Russian.]

**Maksimova,** Z. A. (**2**). Discovery of the exoskeleton of a representative of the superfamily Phacopoidea with 10 thoracic segments. Annu. Soc. paléont. russe **16** : 216–217 pl. *pars* (p. 63). [In Russian.]

**Markovski,** B. P. *see* Kiparisova, L. D.

**Ogienko,** L. V. *see* Kiparisova, L. D.

**Osmólska,** H. Trilobites from the Couvinian of Wydryszów (Holy Cross Mts., Poland). Acta palaeont. polon. **2** 1 : 53–76 pls. i–iii text-figs. 1–6. [Polish and Russian summaries pp. 77–79.]

**Oswald,** D. H. *see* George, T. N.

**Oxley,** P. Geology of Parsons Pond—St. Pauls area, West Coast. Rep. Newfoundland geol. Surv. No. 5 1953 : 53 pp. map.

**Pajchlowa,** M. Dewon w profilu Grzegorzowice—Skały [The Devonian in the Grzegorzowice—Skały Profile (Święt Krzyż Mts.)]. Bull. Serv. géol. Pologne No. 122 : 145–240 text-figs. 1–14 tables. [English summary pp. 248–254, Russian summary.]

**Palmer,** A. R. Ontogenetic development of two olenellid trilobites. J. Paleont. **31** 1 : 105–128 pl. xix text-figs. 1–9 tables 1–3.

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**Pillet,** J. Trois espèces nouvelles de *Proetidae* (Trilobites) dévoniens. Bull. Soc. géol. Fr. (6) **6** 7–9 (for 1956) 1957 : 1041–1044 pl. xxxii text-fig. 1.

**Poletaeva,** O. K. Cambrian representatives of Odontopleuroidea Prantl et Přibyl, emend. Hupé, 1955. Annu. Soc. paléont. russe **16** : 162–165 text-figs. 1–3. [In Russian.]

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**Prantl,** F. & **Šnajdr,** M. Studie o rodu Placoparia Hawle a Corda (Trilobitae) [A study on the Genus Placoparia Hawle and Corda (Trilobitae)]. Sborn. úst. Úst. geol. **23** [Pal.] (for 1956) 1957 : 497–510 pls. i–ii [English summary pp. 513–521, Russian summary.]

**Přibyl,** A. Nové doplúky ke klasifikaci českých trilobitových rodů [New Supplements to the Classification of the Bohemian Trilobite Genera]. Sborn. úst. Úst. geol. **23** [Pal.] (for 1956) 1957 : 53–66 [English summary pp. 81–94, Russian summary.]

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**Rõõmusoks,** A. [K.] Stratigraphy of the Kukruse Stage (Cii) in the Estonian SSR. Tartu Ülikooli Toimetised [Acta Univ. dorpat. (tartu.)] [?A] No. 46 : 101–129 text-figs. 1–4. [In Russian with Estonian summary : offprint only seen.]

**Ross,** R. J., *Jnr.* Ordovician Fossils from Wells in the Williston Basin Eastern Montana. Bull. U.S. geol. Surv. No. 1021–M : 439–510 pls. xxxvii–xliv text-figs. 67–69 table.

**Rowell,** A. J. & **Scanlon,** J. E. The Namurian of the north-west quarter of the Askrigg Block. Proc. Yorks. geol. Soc. **31** 1 : 1–38 pls. i–ii text-figs. 1–15.

**Sabins,** F. F. Stratigraphic Relations in Chiricahua and Dos Cabezas Mountains, Arizona. Bull. Amer. Ass. Petrol. Geol. **41** 3 : 466–510 text-figs. 1–15.

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**Schmidt,** H. (**2**). Rudolf Richter†. 7. November 1881–5. Januar 1957. Natur u. Volk **87** 2 : 37–44 portrait.

**Sdzuy,** K. (**1**). Kambrische Trilobiten [Abstract]. Z. dtsch geol. Ges. **108** 2 (for 1956) 1957 : 256.

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**Sivov,** A. G. Cambrian System Stratigraphical sketch, *in* L. L. Khalfin [ed.], Atlas of the leading forms of the fossil fauna and flora of Western Siberia I. Moscow 1955 : 58–74 text-figs. 114–116 table 1. [In Russian.]

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**Šnajdr,** M. (**2**). Klasifikace čeledě Illaenidae (Hawle a Corda) v českém starším paleozoiku [Classification of the Family Illaenidae (Hawle et Corda) in the Lower Paleozoic of Bohemia]. Sborn. úst. Úst. geol. **23** [Pal.] (for 1956) 1957 : 125–254 pls. i–xii text-figs. 1–37 [English summary pp. 270–284].

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**Stoyanow,** A. Evidence of *Albertella* fauna in southern California [Abstract]. Bull. geol. Soc. Amer. **68** 12 : 1847.

**Strnad,** V. O devonských trilobitech z Horního Benešova [On Devonian Trilobites from Horní Benešov]. Sborn. úst. Úst. geol. **23** [Pal.] (for 1956) 1957 : 433–447 pls. i–v [English summary pp. 461–473, Russian summary].

**Stubblefield,** C. J. (**1**). Professor Rudolf Richter (7th November 1881–5th January 1957). Bull. zool. Nom. **13** 5 : 139–141 pl. ii (portrait).

**[Stubblefield],** C. J. (**2**). [Obituary notice on Rudolf and Emma Richter]. Proc. geol. Soc. Lond. No. 1554 : 137–138.

**Stubblefield,** C. J. *see* Durham, J. W.

**Stubblefield,** C. J. *see* Goldring, R.

**Stubblefield,** C. J. *see* Sudbury, M.

**Sudbury,** M. *Diplograptus spinulosus* sp. nov., from the Ordovician of Syria. Geol. Mag., Lond. **94** 6 : 503–506 text-fig. 1 [Trilobita det. C. J. Stubblefield].

**Tchernysheva,** N. E. *see* Chernysheva, N. E.

**Temple,** J. T. Growth of the glabella of *Dalmanitina olini*. Geol. Mag., Lond. **94** 6 : 491–497 text-figs. 1–3 tables I–III.

**Tomczykowa,** E. Trylobity z łupków graptolitowych wenloku i dolnego ludlowu Gór Świętokrzyskich [Trilobites from Graptolitic Shales of the Wenlock and Lower Ludlow of the Święty Krzyż Mts.]. Bull. Serv. géol. Pologne No. 122 : 83–114 pls. i–iv text-figs. 1–10 tables 1–3 [English summary pp. 130–143, Russian summary.]

**Tripp,** R. P. (**1**). The Classification and Evolution of the Superfamily Lichacea (Trilobita). Geol. Mag., Lond. **94** 2 : 104–122 text-figs. 1–8.

**Tripp,** R. P. (**2**). The trilobite *Encrinurus multisegmentatus* (Portlock) and allied Middle and Upper Ordovician species. Palaeontology **1** 1 : 60–72 pls. xi–xii text-fig. 1 table.

**Tschernysheva,** N. E. *see* Chernysheva, N. E.

**Vokes,** H. E. Geography and Geology of Maryland. Bull. Md Dep. Geol. **19** : xiv+243 pp. 28 pls. 32 text-figs.

**Weaver,** J. D. Stratigraphy and Structure of the Copake Quadrangle, New York. Bull. geol. Soc. Amer. **68** 6 : 725–761 pls. i–iv text-figs. 1–8.

**Webb,** G. W. Middle Ordovician Detailed Stratigraphic Sections for Western Utah and Eastern Nevada. Bull. Utah geol. min. Surv. **57** 1956 : 77 pp. 12 text-figs.

**Weiss,** M. P. Upper Middle Ordovician Stratigraphy of Fillmore County, Minnesota. Bull. geol. Soc. Amer. **68** 8 : 1027–1062 pls. i–v text-figs. 1–2.

**Whittard,** W. F. "*Trinucleus*" *primitivus* from the south of France. Senckenbergiana leth. **38** 5–6 : 267–274 pl. i.

**Whittington,** H. B. (**1**). Ontogeny of *Elliptocephala*, *Paradoxides*, *Sao*, *Blainia*, and *Triarthrus* (Trilobita). J. Paleont. **31** 5 : 934–946 pls. cxv–cxvi.

**Whittington,** H. B. (**2**). The ontogeny of trilobites. Biol. Rev. **32** 4 : 421–469 text-figs. 1–29.

**Whittington,** H. B. *see* Durham, J. W.

**Whittington,** H. B. *see* Kindle, C. H.

**Wilson,** J. L. Geography of Olenid Trilobite Distribution and its Influence on Cambro-Ordovician Correlation. Amer. J. Sci. **255** 6 : 321–340 text-fig. table.

**Woodward,** T. C. Geology of Deadman Butte Area, Natrona County, Wyoming. Bull. Amer. Ass. Petrol. Geol. **41** 2 : 212–262 text-figs. 1–8.

**Yegorova,** L. I. *see* Egorova, L. I.

**Yi,** Y. E. The Caradocian Trilobite Fauna from the Yangtze-Gorges. Acta palaeont. sinica **5** 4 : 527–544 pls. i–v. [In Chinese : English summary pp. 545–559.]

## II.—SUBJECT INDEX

### GENERAL LITERATURE AND HISTORY

**Nomenclature (principles of). — Declarations 30–35.**

**Additions to Official Lists.**—Olenidae Burmeister 1843, *Olenus* Dalman [1827], *O. gibbosus* (Wahlenberg 1821), Paradoxididae Corda 1847, *Paradoxides* Brongniart 1822, *P. paradoxissimus* W. [1821], *Parabolina* Salter 1849, *P. spinulosa* (W. 1821), **Opinion 496;** Phillipsinellidae Whittington 1950, *Phillipsinella* Novák 1886, *P. parabola* (Barrande 1846), **Opinion 476;** *Leonaspis* R. & E. Richter 1917, *L. leonhardi* (Barrande 1846), *Acidaspis tuberculatus* Hall 1859, **Opinion 498.**

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**Text book.** — Identification of fossils, **Chavan & Cailleux.**

**Obituaries.** — E. Richter, **Schmidt (1)**; R. Richter, **Hiltermann, Schmidt (2), Simon (1), Stubblefield (1)**; R. & E. Richter, **Simon (2), Stubblefield (2).**

**Bibliography.** — Annotated bibliography on ecology and habits, **Brooks**; Wahlenberg's "Petrificata Telluris Svecanae" was issued as a separate in 1818, and published in *Acta Soc. Sci. upsal.* in 1821 (with the addition of pp. 293–296 and pl. 7), **Jaanusson**; W. E. Schmidt's "Die mittelkambrische Fauna von Doberlug" dated 1942, **Sdzuy (2).**

**Corrections.** — **Shaw (2), (4).**

**Abstracts.**—**Bright, Evitt, Grant, Kindle & Whittington, Knopf, Sdzuy (1), Stoyanow.**

**Check lists.** — Chinese trilobites, **Lu**; Middle & Upper Ordovician fossils of Oklahoma, **Amsden.**

**Laboratory technique.**— Whitening by antimony sublimate, **Poulsen (2).**

**Revision of Nomenclature.**—Validation of *Leonaspis* R. & E. Richter 1917 by suppression of *Acanthaloma* Conrad 1840, **Opinion 498**; Validation of *Olenus* etc., **Opinion 496**; Validation of *Phillipsinella* Novák 1886 by suppression of *Phillipsella* Oehlert 1886, **Opinion 476**; *Brachymetopina* Reed 1903 [type taken as *ouralica* de Verneuil] a subjective synonym of *Brachymetopus* McCoy 1847 [type taken as *maccoyi* Portlock], **Goldring & Stubblefield**; *Orimops* Rafinesque 1832 stated to have precedence over *Flexicalymene* Shirley 1936, **Fisher**; Many generic synonyms recognised in Lichidae; *Lichas aranea* Holzapfel 1895 (non *L. araneus* Lindström 1885) renamed *Radiolichas araneiformis*, **Tripp (1).**

**Designation of type species.** — *Anthes* Goldfuss 1843—designation of *Entomostracites scarabaeoides* Wahlenberg 1821, **Henningsmoen (1)**; *Olenus* Dalman 1827—designation of *Entomostracites gibbosus* Wahlenberg 1821, **Opinion 496.**

**Selection of lectotypes.**—*Acerocare tullbergi* (Moberg & Möller), *Acerocarina granulata* (M. & M.), *A. micropyga* (Linnarsson), *Angelina steinmanni* (Kayser), *Beltella depressa* (Salter), *B. ? ulrichi* (K.), *B. ? verisimilis* (S.), *Bienvillia shinetonensis* (Lake), *B. tetragonalis* (Harrington), *B. ? wimani* (Westergård), *Boeckaspis hirsuta* (Brögger), *B. mobergi* (Wiman), *Ctenopyge* (*C.*) *directa* Lake, *C.* (*C.*) *falcifera* L., *C.* (*C.*) *fletcheri* (Matthew), *C.* (*C.*) *linnarssoni* Westergård, *C.* (*Eoctenopyge*) *angusta* W., *C.* (*Mesoctenopyge*) *erecta* W., *C.* (*M.*) *spectabilis* B., *C.* (*M.*) *tumida* W., *Eurycare explanatum* (Holtedahl), *E. latum* (Boeck), *E. spinigerum* W., *Leptoplastides marianus* (Hoek), *L. ? spiniferus* (Lake), *Leptoplastus bornholmensis* (Poulsen), *L. claudicans* (M. & M.), *L. longispinus* Holtedahl, *L. norvegicus* H., *L. ovatus* Angelin, *L. raphidophorus* A., *Olenus ? bucephalus* (Belt), *O. dentatus* W., *O. micrurus* S., *O. mundus* L., *O. rotundatus* W., *O. scanicus* W., *O. transversus* W., *O. wahlenbergi* W., *Parabolina brevispina* W., *P. heres heres* B., *P. heres lata* Matthew, *P. jemtlandica* W., *P. lobata* (B.), *P. mobergi* W., *P. tetracanthura* (M.), *Parabolinella argentinensis* Kobayashi, *Parabolinites laticauda* (W.), *P. ? longispinus* (Belt), *Peltocare norvegicum* (M. & M.), *Peltura acutidens* B., *P. costata* (B.), *P. minor* (B.), *P. paradoxa* (M. & M.), *P. transiens* (B.), *Protopeltura aciculata pusilla* W., *P. bidentata* (B.), *P. broeggeri* (H.), *P. intermedia* W., *P. planicauda* (B.), *P. praecursor* (W.), *P. ? solitaria* (W.), *Saltaspis steinmanni* (Kobayashi), *Sphaerophthalmus majusculus* Linnarsson, *Triarthrus angelini rectifrons* Harrington, *T. punctatus* (Crossfield & Skeat), **Henningsmoen (1)**; *Angelina hyeronimi* (Kayser), *Beltella ulrichi* (K.), *Geragnostus* (*Micragnostus*) *tilcuyensis* (K.),

*Megalaspis ? americana* Hoek, *Parabolina argentina* (K.), **Harrington & Leanza;** *Bumastus bouchardi* (Barrande), *B. ? tardus* (B.), *Cekovia salteri* (B.), *Ectillaenus advena* (B.), *E. benignensis* (Novák), *E. katzeri* (B.), *E. parabolinus* (N.), *E. šarkaensis* (N.), "*Illaenus*" *hospes* (B.), *Octillaenus hisingeri* (B.), *Stenopareia oblita* (B.), *Svobodapeltis avus* (Holub), *Zdicella zeidleri* (B.), *Zetillaenus wahlenbergianus* (B.), **Šnajdr (2);** *Hypagnostus umbonatus* (Hawle & Corda), **Šnajdr (1);** *Illaenus esmarki* (Schlotheim) [lost], *I. excellens* Holm, *I. oblongatus* (Angelin), *I. wahlenbergi* (Eichwald), *Platillaenus ladogensis* (H.), **Jaanusson;** *Myttonia primitiva* (Born 1921), **Whittard;** *Pliomeraspis martelli* (Reed), **Harrington;** *Salterolithus caractaci* (Murchison 1839), *S. intermedius* (Wade 1911), **Cave.**

**Selection of neotypes.**—*Ctenopyge* (*Eoctenopyge*) *flagellifera* (Angelin), *Olenus attenuatus* (Boeck), *Protopeltura aciculata* (A.), **Henningsmoen (1).**

## STRUCTURE

**Terminology.** — Many terms introduced for measurements, **Shaw (1);** Olenid terminology, with introduction of several new terms including *axial shield* for the dorsal exoskeleton less the free cheeks, **Henningsmoen (1);** *Glabella* defined as limited anteriorly by rostral suture, thus excluding rostral plate of *Staurocephalus*, **Kielan;** *Interocular area* between palpebral lobes and glabella, **Palmer;** *Longitudinal furrows* on glabella of Lichidae, **Tripp (1);** *Preoccipital ring* and *preoccipital furrow* in Proetidae, **Goldring;** Notation for glabellar tubercles in *Encrinurus*, **Tripp (2);** Discontinuation of use of term *larval ridge* recommended, **Whittington (1).**

**Segmentation.** — Postulated that cephalon of *Olenellus* comprises eight dorsal segments of which the 1st (anterior & lateral borders and genal spines), 4th (frontal lobe of glabella and palpebral lobes) and 7th (preoccipital glabellar lobe and intergenal spines) are macropleural; acceptance of Størmer's hypothesis of the transverse thoracic intersegmental boundaries, **Palmer;** Furrows on cheeks of young stages of Olenellids and *Paradoxides* considered intrasegmental, intergenal spines in these forms not pre-occipital, **Whittington (2).**

**Mensuration.** — General principles, **Shaw (1);** Of Illaenidae discussed; arching of cephalon expressed as *cranidial angle* and *librigenal angle*, **Jaanusson.**

**Glabella.** — In Encrinuridae a tendency for glabella to incorporate adjoining areas, **Evitt;** Reed's interpretation of glabellar lobation in Lichidae accepted, **Tripp (1);** Arrangement of glabellar tubercles analysed in *Encrinurus multisegmentatus* group, **Tripp (2).**

**Glabellar furrows.** — Third (anterior) glabellar furrow of an early (Middle Ordovician) *Staurocephalus* is represented by four shallow pits (interpreted as four muscular apodemes), **Kielan.**

**Cephalic spines.**—Early stages of *Olenellus gilberti* have small procranidial spines and strong downward-sloping intergenals; the procranidials are subsequently resorbed in place, genal spines appear and enlarge rapidly, while the intergenals dwindle to insignificance, **Palmer.**

**Cephalic sutures.** — No traces of dorsal sutures during development of *Olenellus gilberti* and *Paedeumias clarki*, perrostral suture of these forms is submarginal from the earliest stages, **Palmer.**

**Ventral sutures.** — Conjoined free cheeks in spp. of *Parabolina* and *Olenus*; no positive evidence of suture(s) across doublure in Olenids, and existence of single free cheeks may be due to accidental breakage of the very narrow doublure, **Henningsmoen (1);** In *Staurocephalus* the rostral suture passes on to underside of bulbous frontal lobe of glabella, **Kielan.**

**Hypostome.** — In Olenids hypostome may have been separated from cephalic doublure by ventral

membrane, **Henningsmoen (1)**; Development described in *Olenellus gilberti* ; hypostomes of *Olenellus* and *Paedeumias* could not fit flush behind rostral plate as they made contact with it (if at all) only on the axial line, **Palmer**; Upwardly directed wing process on hypostome of *Fieldaspis* (Middle Cambrian Dolichometopid), **Rasetti.**

**Rostral plate.**—Illustrated in an immature form of *Olenellus gilberti*, **Palmer.**

**Thoracic segments.** — Phacopid *Isalaux bifolius* stated to have only ten thoracic segments, **Maksimova (2).**

**Segmental specialisation.** — Acceptance of Raw's concept of merocyclism with application to Olenellid cephalon, **Palmer**; *Parabolina argentina* (macropleural 8th, axial spine on 12th thoracic), *Saltaspis steinmanni* (axial spine on 10th thoracic), *Pseudokainella* spp. and *Apatokephalus exiguus* (axial spine on 8th thoracic), **Harrington & Leanza.**

**Pygidium.** — Internal axial septum at posterior end of pygidial axis in *Pseudophillipsia*, **Goldring.**

**Panderian organs.** — Discussed, **Balashova.**

**Pits.** — Suggested origin of typical trinucleid fringe from a form (such as *Myttonia*) with a marginal girder, by development of $E_1$ pits and the imposition of a radial arrangement on the I pits, **Whittard.**

**Ornamentation.** — Sculpture of test is an important specific criterion in Illaenidae, **Jaanusson.**

**Structure of integument.** — Discussed with sections of *Asaphus*, **Balashova.**

**Musculature.** — Glabellar muscle scars in *Acerocare ecorne* and *Olenus gibbosus*, **Henningsmoen (1)**; Glabellar muscle scars in *Bellefontia*, **Sando**; Glabellar muscle scars in *Dysplanus*, **Jaanusson**; Glabellar muscle scars in several Illaenids, **Šnajdr (2).**

**Teratology.** — Damaged brim of *Salterolithus*, **Cave**; Damaged glabella of *Megalaspis*, **Ross.**

## PHYSIOLOGY

**Enrolment.** — Discussed, **Balashova**; Lack of enrolment in Homalonotids held to support a burrowing mode of life, **Sdzuy (4).**

## DEVELOPMENT

**Reproduction.** — Suggested that rudimentary posterior thoracic segments of Olenellids may represent asexual budding of new individuals as is found in syllid Polychaetes, **Lemche.**

**Ontogeny.** — General review of known ontogenies, **Whittington (2)**; Redescription of developmental stages of *Elliptocephala* (youngest described stages considered to be meraspides), *Paradoxides* (Raymond's 1914 " protaspis " interpreted as a meraspid cranidium), *Sao* (protaspis 0·7 mm. has opisthoparian facial sutures), *Blainia* (existence of sutures in earliest protaspides not confirmed), *Triarthrus* (protaspides referred by Beecher excluded) ; protaspides attributed by Beecher to *Proetus beecheri* may belong to a Phacopoid, **Whittington (1)**; Development of *Olenellus gilberti* described in detail from silicified material (development of *Paedeumias clarki* stated to be identical) : smallest forms (glabellar length 0·5 mm.) have small procranidial spines, and strong intergenal spines which form continuations of preoccipital segment ; subsequently (1·0 to 1·5 mm.) lateral and anterior borders become differentiated, small genal spines appear (as continuations of lateral borders), and procranidial spines are resorbed in place ; then (1·5–3·0 mm.) genal spines enlarge rapidly while intergenals diminish *pari passu*, and posterior border develops as a secondary structure cutting across the original bases of the intergenals ; finally (3·0 mm. onwards) intergenals become insignificant, and there are changes in cephalic and glabellar proportions ; development of hypostome also described, **Palmer.**

**Ecdysis.** — Description of bedding plane with many individuals of *Acerocare* interpreted as in moulting

positions, **Henningsmoen (1)**; Recognition of instars claimed in *Olenellus gilberti* and *Paedeumias clarki*, with average growth-factors of respectively 1·13 and 1·16; minimum of 29 instars suggested during development of *O. gilberti*, **Palmer**; Postulated instars in *Diacanthaspis*, **Whittington (2)**.

## EVOLUTION AND CLASSIFICATION

**General works (theories).**—Critical review of neoteny as applied to trilobites, **Whittington (2)**; Pygidial changes in *Kirkella* lineage held to demonstrate recapitulation, **Ross**.

**Phylogeny.** — Suggested origin of Chelicerata from Pre-Cambrian ancestors of Olenellidae, **Raw**; Andrarinidae may be ancestral to Elviniidae and Olenidae, Anomocaridae to Ceratopygidae, latter to Asaphidae; within Olenidae, *Olenus* ancestral to Oleninae & Pelturinae and possibly to Leptoplastinae, **Henningsmoen (1)**; Relations within Homalonotidae, **Sdzuy (4)**; Relations within Illaenidae, **Šnajdr (2)**.

**Evolutionary trends.**—In Olenid lineages the total size of the body, the relative size of the pygidium, and the number of thoracic segments may all either increase or decrease, while features that have been lost once (axial spines, libragenal spines, glabellar furrows) may reappear, **Henningsmoen (1)**.

**Postulated lineages.** — *Fieldaspis furcata—F. celer—F. superba* with lengthening of the pygidial spines, **Rasetti**; *Myttonia* (or similar form with marginal girder)—*Protolloydolithus—Marrolithus*, by development of $E_1$ pits and radial arrangement of I pits, **Whittard**.

**Homeomorphy.** — Independent development of multicomposite glabellar lobes in several Lichidae, **Tripp (1)**.

**Biometry.** — Principles of mensuration, **Shaw (1)**; Rectilinear growth relations plotted in *Isotelus*, **Whittington (2)**; Rectilinear relative growth relations for parts of glabella of *Dalmanitina olini* discussed, hypothetical lower size-limit to protaspis suggested, **Temple**; Regressions of several characters on glabellar length show significant differences between *Olenellus gilberti* and *Paedeumias clarki*; relative growth in some characters is curvilinear, **Palmer**; Allometric relations postulated between several pairs of characters in *Illaenus*; relative shortening of eyes during growth demonstrated, and on this basis two pairs of spp. synonymized, **Jaanusson**; Variation in number of pits on fringe of *Salterolithus* analysed, there being no correlation between number of pits and width of cephalon, **Cave**; Survivorship curve stated to have been constructed for *Elrathia kingii*, **Bright**.

**Classification (principles of).**—In Illaenidae following generic criteria used—number of thoracic segments, relative size of pygidium, course of the axial furrows, size and position of eyes, shape and structure of rostral plate and hypostome, pygidial doublure, glabellar muscle scars, **Šnajdr (2)**; Distinction of Illaeninae and Bumastinae based on the presence or absence of rostral doublure and the convergence or divergence of the front parts of the cephalic axial furrows; within *Illaenus*, species-groups distinguished on characters of inner margin of pygidial doublure, **Jaanusson**; In Lichidae glabellar lobation and form of hypostome are important in classification, but the whole of the test should be used, **Tripp (1)**; Opisthoparian *Bavarilla* referred to Homalonotidae; shape and position of rostral suture in this family and Calymenidae of little importance in classification, **Sdzuy (4)**; *Olenellus* and *Paedeumias* cannot be distinguished on the basis of the hypostomes, **Palmer**.

**Classification.** — Supplements to "Index of trilobite genera in Bohemia", **Přibyl**; Homalonotidae classified into Bavarillinae, Eohomalonotinae (including *Synhomalonotus*), Colpocoryphinae, Homalonotinae, **Sdzuy (4)**; Illaenidae classified into Illaeninae and Bumastinae, **Jaanusson**; Subdivision of Illaenidae into

Illaeninae and Bumastinae not accepted, **Šnajdr** (2); Lichacea classified into Lichidae (with subfamilies Lichinae, Homolichinae, Tetralichinae, Ceratarginae) and Lichakephalidae, **Tripp** (1); Olenidae classified into Oleninae, Leptoplastinae and Pelturinae (thus reviving Persson's 1904 scheme), **Henningsmoen** (1).

## ECOLOGY AND HABITS

**General.** — Annotated bibliography, **Brooks.**

**Ecology.**—Olenid and associated forms represent widely-distributed, slowly-evolving, extra-cratonic faunas associated with dark shale and limestone facies ; contemporaneous cratonic faunas are more diversified, more quickly-evolving, and adapted to more varied environments, **Wilson;** Olenids probably adapted to live for short periods in stagnant bottom waters in which black shales accumulated, **Henningsmoen** (1).

**Habits.**—Adaptation of Homalonotids to burrowing ; adoption of this mode of life an important factor in their divergence from the Calymenids, **Sdzuy** (4); Three types of Olenid body shape recognised and related to habits—*Olenus* type (flattened, swimming), *Peltura* type (vaulted, vigorous swimming), *Ctenopyge* type (spinous, pelagic) ; all three types are found in each of the Olenid subfamilies, **Henningsmoen** (1).

**Migration.** — Middle Cambrian of Doberlug (Prussia) shows successively Scandinavian and Mediterranean influences, **Sdzuy** (3); Distribution of Olenid faunas related to geosynclinal belts, **Wilson;** North American *Taenicephalus* tentatively recorded from Upper Cambrian of Sweden, **Henningsmoen** (2); Non-Olenid forms in Tremadoc of Acado-Baltic province immigrated from west, **Henningsmoen** (1); Lower and Middle Ordovician trilobite faunas of Argentina show many endemic forms (Hapalopleuridae, *Thysanopyge*, *Dichelepyge* etc.) together with elements of Atlantic affinities (*Geragnostus*, *Triarthrus*, *Shumardia*, *Ceratopyge* etc.—reaching a maximum in Upper Tremadoc) and a few of Pacific affinities (*Kainella*, *Lloydia* etc.), **Harrington & Leanza;** Suggested migration of some Wenlock faunas from Britain through Poland to Bohemia, **Tomczykowa;** Turkish *Acaste paeckelmanni* from Middle Devonian of Poland, **Osmólska;** Devonian trilobites of European affinities in Japan, **Kobayashi** (2).

**Tracks.** — Tracks described which may belong to *Boeckaspis*, **Henningsmoen** (1).

## DISTRIBUTION AND FAUNAS

**Cambrian.** — China (Shan-tung), **Chang;** China, Manchuria, **Lu;** Europe, Morocco, **Sdzuy** (1); Newfoundland (West), **Oxley;** U.S.A. (New York), **Knopf;** U.S.S.R. (Kazakhstan), **Borukaev;** U.S.S.R. (Siberia etc.), **Kiparisova et al.;** U.S.S.R. (W. Siberia), **Egorova et al., Sivov.**

**Cambrian (Lower).** — Greenland (East), **Cowie & Adams;** U.S.A. (Nevada), **Palmer;** U.S.A. (New York), **Craddock;** U.S.A. (Vermont), **Shaw** (4).

**Cambrian (Lower & Middle).**— Bohemia, U.S.A. (N.Y., Alabama), **Whittington** (1).

**Cambrian (Middle).** — Bornholm, **Poulsen** (1); Canada (British Columbia), **Rasetti;** Czechoslovakia (Bohemia), **Šnajdr** (1); Germany (Prussia), **Sdzuy** (3); Germany (Prussia, Bavaria), **Sdzuy** (2); U.S.A. (California), **Stoyanow;** U.S.A. (Utah), **Bright;** U.S.A. (Vermont), **Shaw** (3); U.S.S.R. (Kazakhstan), **Ivshin.**

**Cambrian (Middle & Upper).**— Newfoundland (West), **Kindle & Whittington;** U.S.A. (Nevada), **Drewes & Palmer;** U.S.A. (Wyoming), **Shaw** (5), **Woodward;** U.S.S.R. (Siberia, Kazakhstan), **Poletaeva.**

**Cambrian (Upper).** — Norway, Sweden, Britain, N. & S. America, **Henningsmoen** (1); Sweden (Västergötland), **Henningsmoen** (2); Thailand, **Kobayashi** (1); U.S.A. (Arizona), **Sabins;** U.S.A. (Minnesota), **Grant.**

**Ordovician.** — Bohemia, **Šnajdr** (2); China, Burma, **Lu;** Germany (Bavaria, Hessen), France, Spain,

**Sdzuy (4)**; Newfoundland (West), **Oxley**; U.S.A. (Montana), **Ross**; U.S.S.R. (Kazakhstan), **Borukaev**; U.S.S.R. (Siberia), **Kramarenko.**

**Ordovician (Tremadoc).** — Argentina, Bolivia, Britain, Norway, **Harrington & Leanza**; Norway, Sweden, Britain, N. & S. America, **Henningsmoen (1)**; U.S.S.R. (W. Siberia), **Lomovitskaya.**

**Ordovician (Lower).**—Scandinavia, Estonia, Russia, **Jaanusson**; U.S.A. (Maryland), **Sando.**

**Ordovician (Lower & Middle).**—Argentina, Bolivia, **Harrington & Leanza**; Greenland (East), **Cowie & Adams**; Newfoundland (West), **Kindle & Whittington**; N. & S. America, China (Yun-nan), **Harrington.**

**Ordovician (Middle).** — Bohemia, **Prantl & Šnajdr, Röhlich (1)**; Britain (Wales), **Cave**; Estonia, **Rõõmusoks**; France (Hérault), **Whittard**; Norway, **Kielan**; Syria, **Sudbury**; U.S.A. (Minnesota), **Weiss**; U.S.A. (Nevada & Utah), **Webb**; U.S.A. (New York), **Fisher, Weaver, Whittington (1)**; U.S.A. (Virginia), **Evitt.**

**Ordovician (Middle & Upper).**—Britain (Ireland, Scotland, Wales), Canada (Anticosti I.), Norway, **Tripp (2)**; U.S.A. (Oklahoma), **Amsden**; U.S.S.R. (W. Siberia), **Lomovitskaya.**

**Ordovician (Upper).** — Bohemia, **Röhlich (2)**; China (Hu-peh), **Yi**; Poland (Lysa Gora), Sweden, Bornholm, Britain, **Kielan**; Sweden (Scania), **Temple.**

**Silurian.**—Bohemia, **Šnajdr (2)**; China, **Lu**; Japan (Ehime), **Ishii.**

**Silurian (Middle).**—Britain, **Kielan.**

**Silurian (Middle & Upper).** — Poland (Lysa Gora), **Tomczykowa.**

**Silurian (Upper).** — Germany (Frankenwald), **Greiling.**

**Devonian.**—China, **Lu.**

**Devonian (Lower).**—France (Anjou), **Pillet**; Germany (Eifel), **Röder**; Germany (Taunus), **Jentsch & Röder**; U.S.S.R. (W. Siberia), **Khalfin.**

**Devonian (Lower & Middle).**—Bohemia, **Chlupáč**; Germany (Thuringia), **Alberti.**

**Devonian (Middle).** — Czechoslovakia, **Prantl**; Czechoslovakia (Silesia), **Strnad**; France (Alsace), **Firtion**; Japan (Iwate), Bohemia, **Kobayashi (2)**; Poland (Lysa Gora), **Osmólska, Pajchlowa.**

**Carboniferous.** — U.S.S.R. (Mugodzhar), **Maksimova (1).**

**Carboniferous (Lower).** — Eire (Donegal), **George & Oswald.**

**Carboniferous (Upper).** — Britain (N. England), **Rowell & Scanlon**; China, **Lu.**

**Carboniferous (Upper) or Permian (Lower).** — Arabia (Oman), **Goldring.**

## III.—SYSTEMATIC INDEX

N.B.—*Since all the species of the group are fossil, the † used elsewhere in the Zoological Record to indicate fossils is here omitted.*

*Abakanopleura* **gen. n.** [Solenopleuridae] p. 117 for type *A. kenensis* **sp. n.** p. 118 pl. xiii figs. 8a–б Cambrian (Upper) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Acadagnostus argentinus* **sp. n.** Tremadoc Argentina (Salta) p. 75 figs. 20 reconstr., 21 (5), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Acadoparadoxides* **gen. n.** [no family assigned] p. 238 for type *Paradoxides sacheri* Barrande 1852 Cambrian (Middle) Bohemia, *P. intermedius* Gobbold [sic] also referred to *A.*, **Šnajdr** Vestn. úst. Úst. geol. **32** 1957.

*Acanthaloma* Conrad 1840 suppressed and placed on Official Index, **Opinion 498.**

*Acanthaloma* (*Kettneraspis*) *moravica* **sp. n.** [nom. nud. 1956] p. 434 (461) pl. i figs. 1–2, pl. ii figs. 1–4 Devonian (Middle) Czechoslovakia (Silesia), **Strnad** Sborn. úst. Úst. geol. **23** [Pal.] 1957.

*Acanthaloma yunnanensis* (Chen) p. 290 pl. cl figs. 8–10, **Lu.**

Acanthalominae Prantl & Přibyl 1949 placed on Official Index, **Opinion 498.**

*Acantholoma* Conrad 1841 placed on Official Index, *A. spinosa* C. 1841 suppressed, **Opinion 498.**

*Acantholoma* Castelnau 1843 placed on Official Index, *A. conradi* C. 1843 suppressed, **Opinion 498.**

*Acantholoma* (*A.*) *ruderalis* (H. & C.), *A.* (*A.*) *hoernesi* (Barr.), *A.* (*Kettneraspis*) *derelicta* (B.), *A.* (*K.*) sp. p. 436, *A.* (*K.*) *pigra* (B.) p. 409, **Chlupáč.**

*Acanthopyge* Hawle & Corda 1847 referred to Ceratarginae **subfam. n.** with synonyms *Euarges* Gürich, *Mephiarges* R. & E. Richter, *Diplolichas* Phleger, *Lobopyge* Přibyl & Erben, *Nitidulopyge* P. & E. p. 117, *A. hirsuta* (Fletcher) text-fig. 3B (drawing), **Tripp (1).**

*Acanthopyge haueri* (Barr.) p. 409, **Chlupáč.**

*Acaste* (*Acastoides*) *paeckelmanni* R. & E. Richter 1939 from Poland p. 71 pl. ii figs. 3, 4a–b, 5, text-figs. 5a–b, **Osmólska.**

*Acaste* sp. p. 132, **Röder.**

*Acastoides* see *Acaste*.

*Acerocare* Angelin 1854 discussed and referred to Pelturinae p. 242, *A. ecorne* A. 1854 p. 243 pl. xxx figs. 1–8, pl. xxxi [specimens in apparent moulting positions], text-fig. 14, *A. tullbergi* Moberg & Möller 1898 lectotype selected and figured p. 243 pl. xxx figs. 9–11 ; *A. norvegicum* M. & M. type of *Peltocare* **gen. n.** p. 246, **Henningsmoen (1).**

*Acerocarina* Poulsen 1952 [recte 1951] discussed and referred to Pelturinae p. 251, *A. granulata* (Moberg & Möller 1898) restr. [*non* pl. 14 figs. 1–5 to *Westergårdia lata*] lectotype selected, *A. micropyga* (Linnarsson 1875) lectotype selected p. 252, **Henningsmoen (1).**

*Acerocarina glaber* (Harrington 1938) holotype refigured for *Cyclognathus g.* H. with probable synonym *Ctenopyge elachista* H. p. 93 figs. 32 (3*a–d*), *A.* ? sp. p. 95 fig. 32 (2), **Harrington & Leanza.**

*Achatella achates* (Billings) p. 1047, **Weiss.**

*Acidaspides* Lermontova referred to Eoacidaspidae **fam. n.** p. 165, *A. lermontovae* Chernysheva text-fig. 3, **Poletaeva.**

*Acidaspis hughesi* Lake 1896 *partim* (pl. 8 fig. 5) placed in synonymy of *Odontopleura ovata* Emmrich p. 94, **Tomczykowa.**

*Acidaspis tuberculatus* Conrad 1840 suppressed, *A. tuberculatus* Hall 1859 validated and placed on Official List of Specific Names, **Opinion 498.**

*Acrocephalina armata* Troedsson p. 272 pl. cxlii figs. 11–12, **Lu.**

*Acrocephalites regularis* Lermontova p. 115 pl. xiii fig. 13, *A. elandiensis* **sp. n.** (Egorova) p. 116 pl. xii fig. 3 Cambrian (Middle), *A. minimalis* **sp. n.** (Sivov) p. 116 pl. xiii fig. 9 Cambrian (Upper) U.S.S.R. (W. Siberia), **Sivov & Egorova** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Acrocephalites* sp. nov. (Ivshin) p. 222, **Borukaev.**

*Acrolichas* Foerste 1919 a synonym of *Amphilichas* p. 116, **Tripp (1).**

*Acrolichas cucullus* Meek & Worthen p. 178 text-fig. 172, **Lomovitskaya.**

*Acrolichas* sp. nov. (Lisogor) p. 314, **Borukaev.**

*Actinopeltis globosus* (Barr.), *A. gryphus* (B.) p. 415, **Röhlich (2).**

*Aculeodiscus bohemicus* Šnajdr listed p. 240, **Šnajdr (1).**

Agnostid, gen. et sp. indet. p. 380 pl. iv fig. 8, **Kobayashi (1).**

Agnostid ind. p. 33, **Cowie & Adams.**

Agnostid sp. p. 22, **Oxley.**

*Agnostus iruyensis* Kayser 1897 referred to *Ciceragnostus* p. 76, **Harrington & Leanza.**

*Agnostus* (*Homagnostus*) *obesus* p. 168, **Henningsmoen (2).**

*Agnostus pisiformis* p. 101 pl. ix fig. 2 *pars*, *A. obesus* p. 104, **Henningsmoen (1).**

*Agnostus* sp. pl. i fig. 6, **Šnajdr (1).**

*Agraulos ceticephalus* (Barrande) listed p. 240, **Šnajdr (1).**

*Agraulos frankenwaldensis* Wurm 1925 referred to *Kingaspidoides* p. 18, *A.* cf. *holocephalus* record of Schmidt 1942 referred to Gen. et sp. indet. p. 26, **Sdzuy (2).**

*Agyrenella* **gen. n.** [Familia incerta, compared with *Bathyuriscus* and *Koptura*] p. 94 for type *A. macropleura* **sp. n.** p. 95 pl. iii figs. 17, 20, *A. levicula* **sp. n.** p. 97 pl. iii figs. 18–19 Cambrian (Middle) U.S.S.R. (Kazakhstan), **Ivshin** Middle Cambrian Trilobites of Kazakhstan Part II 1957.

*Akantharges* Phleger 1936 referred to Ceratarginae **subfam. n.** p. 118, **Tripp (1).**

*Albertella* see *Vinicella* **gen. n.**

*Albertella* sp. p. 1847, **Stoyanow.**

*Alceste* Hawle & Corda 1847 considered a full genus and given precedence over its probable synonym *Octillaenus* Salter, *A. latissima* H. & C. [type of *A.*] being probably an immature form of *O. hisingeri* (Barrande) [type of *O.*] p. 84*n*, **Přibyl.**

*Alceste* cf. *hisingeri* (Barr.) p. 415, **Röhlich (2).**

*Alokistocare cleora* (Walcott) listed p. 957, **Rasetti.**

Alokistocarid ind. (cf. *Kochiella*) p. 28, **Cowie & Adams.**

*Amgaspis* **gen. n.** [Familia incerta] p. 179 for type *A. medius* **sp. n.** p. 180 pl. xxxiii figs. 1–3, *A. brevis* **sp. n.** p. 181 pl. xxxiii fig. 4, *A. rudis* **sp. n.** p. 181 pl. xxxiii figs. 5–6 Cambrian (Middle) U.S.S.R. (Yakutsk), **Chernysheva** Trud. VSEGEI NS [Pal.] **12** 1956.

*Amginouyia* **gen. n.** [Utiadae] p. 164 for type *A. elegans* **sp. n.** p. 165 pl. xxxiii figs. 14, 14a, 15 Cambrian (Middle) U.S.S.R. (Yakutsk), **Chernysheva** Trud. VSEGEI NS [Pal.] **12** 1956.

*Amphilichas* Raymond 1905 discussed and referred to Tetralichinae with synonyms *Acrolichas* Foerste, *Tetralichas* Phleger, *Kerakephalichas* P. & *Probolichas* P. p. 116, **Tripp (1).**

*Amphilichas* aff. *hexadactylus* (Nieszk.) p. 124, **Rõõmusoks.**

*Amphilichas sniatkovi* Weber p. 177 pl. xxii figs. 8a, б, в. *A. batchaticus* W. text-fig. 171, **Lomovitskaya.**

*Amphoton* see *Brackebuschia* **gen. n.**

*Amphoton deois* (Walcott), *A.* (*Amphotonella*) p. 16, *A.* (*Sunia*) *typica* Kobayashi p. 29, **Chang.**

*Amphoton deois* (Walcott) p. 263 pl. cxl fig. 5, **Lu.**

*Amphotonella* see *Amphoton.*

*Ampyx abnormalis* **sp. n.** p. 541 (557) pl. v figs. 3a–e, *A. wittardi* [*wittardia* in places, recte *whittardi*] **sp. n.** p. 542 (559) pl. iii figs. 6a–c, *A.* cf. *depressus* (Angelin) p. 541 (558) pl. v fig. 2, *A.* ? sp. p. 540 pl. iv fig. 5 Ordovician (Upper) China (Hu-peh), **Yi** Acta palaeont. sinica **5** 4 1957.

*Ampyx baccatus* Portlock a synonym of *Encrinurus multisegmentatus* P. p. 61, **Tripp (2).**

*Ampyx* ? sp. for *A.* sp. Kayser 1876 (refigured) p. 214 fig. 116 (4), **Harrington & Leanza.**

*Andesaspis* Kobayashi 1935 a synonym of *Leptoplastides* Raw 1908 p. 265, *A. argentinensis* K. restr. of *L. marianus* (Hoek), *A. a.* record of Wilson 1954 referred to *Angelina* ? sp. p. 266, **Henningsmoen (1).**

*Andesaspis argentinensis* Kobayashi 1935 restr. (cranidium) [type of *A.*] a synonym of *Parabolinopsis mariana* Hoek p. 93, *A. argentinensis* K. *partim* (pygidium) referred to *Pseudokainella lata* (K.) p. 133, **Harrington & Leanza.**

*Andrarina quadrata* (Hartt) record of Schmidt 1942 referred to *Pardailhania* sp., *A. tenera* (H.) referred to *P.* p. 26, **Sdzuy (2).**

Andrarinidae Raymond 1937 may be ancestral to Olenidae, taken to include *Andrarina*, *Nericia*, *Grönwallia*, ? *Aphelaspis*, ? *Dytremacephalus*, ? *Labiostria*, ? *Proaulacopleura*, ? *Eugonocare* p. 27, **Henningsmoen (1).**

*Anemocephalus seletensis* gen. et sp. nov. (Ivshin) p. 276, **Borukaev.**

*Angelina* Salter 1859 referred to Triarthrinae, *A. hyeronimi* (Kayser 1876) lectotype selected and figured for *Arionellus h.* K. [with synonyms *A. lorentzi* K., *Liostracus steinmanni* K., *Keidelaspis saltensis* Harrington (type of *K.*), possibly *Plethopeltis megalops* Kobayashi 1937] p. 99 figs. 35 (1–11), *A.* sp. cf. *A. h.* p. 235, *A. punctolineata* Kobayashi 1937 p. 101 figs. 36 (2*a–e*), *A. kayseri* **sp. n.** Tremadoc Argentina (Salta) p. 101 figs. 36 (1*a–g*), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Angelina* Salter 1859 referred to Oleninae with synonym *Keidelaspis* Harrington 1937 p. 155, *A. punctolineata* Kobayashi 1937 p. 156, *A. sedgwickii* S. 1859 with synonym *A. subarmata* S. p. 157, *A. steinmanni* (Kayser 1897) lectotype selected with synonym (fide H. J. Harrington) *K. saltensis* H. p. 157, *A. ? latifrons* (Wilson 1954) for *Beltella l.* W. p. 158, *A. ? vexata* (S. 1866) for *Conocoryphe v.* S. including *B. depressa* of Lake 1919 *partim* p. 158 ; *A. salteri* Holm MS [nom. nud.] may not be an Olenid p. 156, *A. ?* sp. for *Andesaspis argentinensis* record of W. 1954 p. 266, **Henningsmoen (1).**

Anisopyginae Hupé 1953 probably an artificial group within Phillipsiinae p. 91, **Přibyl.**

*Anomocare danicum* **sp. n.** p. 223 text-fig. 1 (3 views) Cambrian (Middle) Bornholm, **Poulsen** Medd. dansk geol. Foren. **13** 1957.

*Anomocare laeve* Angelin p. 130 pl. xiv fig. 6, pl. xv figs. 2a–б (after Angelin), *A. salairensis* Lermontova 1940 (=*A. batchatiensis* Sivov 1940) p. 130 pl. xv figs. 4a–б, *A. ? gravis* **sp. n.** (Egorova) p. 131 pl. xiv fig. 7 Cambrian (Middle) U.S.S.R. (W. Siberia), **Sivov & Egorova** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Anomocare lermontovae* Ivshin p. 219, **Borukaev.**

*Anomocarella chinensis* Walcott p. 15, *A. tumida* Endo type of *Metanomocarella* **gen. nondescr.** [quod vide] p. 30, **Chang.**

*Anomocarella chinensis* Walcott p. 267 pl. cxli figs. 5–6, **Lu.**

Anomocaridae see *Anomocariopsis, Catuniella, Chondranomocare, Hanivella* and *Pseudanomocarina* **genn. n.**

cf. *Anomocarina excavata* record of Schmidt 1942 referred to Gen. et sp. indet. p. 27, **Sdzuy (2).**

Anomocarinae see *Thailandium* **gen. n.**

cf. *Anomocarioides limbata* record of Schmidt 1942 referred to Gen. et sp. indet. p. 27, **Sdzuy (2).**

*Anomocarioides polynensis* Ivshin p. 219, **Borukaev.**

*Anomocariopsis* **gen. n.** [Anomocaridae] p. 131 for type *A. salairensis* (Sivov 1940) [not seen] p. 132 pl. xiv fig. 12 Cambrian (Upper) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Anopocare pusillum* Angelin 1854 referred *partim* to *Sphaerophthalmus humilis* (Phillips) p. 215, *partim* to *Peltura scarabaeoides* (Wahl.) p. 237, **Henningsmoen (1).**

*Anthes* Goldfuss 1843—type species designated *Entomostracites scarabaeoides* Wahlenberg 1821, hence *Anthes* an objective synonym of *Peltura* p. 231, **Henningsmoen (1).**

*Aojia spinosa* Resser & Endo p. 271 pl. cxli figs. 18–19, **Lu.**

*Apatokephalina* **gen. n.** [Remopleuridae] p. 142 for type *A. bruta* **sp. n.** p. 143 pl. xv fig. 13 Cambrian (Upper) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Apatokephalus* Brøgger 1896 referred to Richardsonellinae p. 135, *Diplapatokephalus* Raymond 1937 a synonym, *A. serratus* (Boeck 1838) with synonyms *A. dubius* (Linnarsson 1869) and *Diplapatokephalus levisensis* Rasetti 1943 p. 135 figs. 56 (1–10), *A. exiguus* **sp. n.** Tremadoc Argentina (Salta) p. 139 figs. 57 reconstr., 58 (1–5), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Apatokephalus* aff. [cf. on pl. expl.] *A. canadensis* Kobayashi p. 499 pl. xlii fig. 13, **Ross.**

*Aphelaspis* Resser 1935 may belong to Andrarinidae p. 27 ; *Parabolinella ? evansi* tentatively referred p. 23, **Henningsmoen (1).**

*Aphelaspis* cf. *A. tumifrons* Resser, *A.* sp. p. 118, **Drewes & Palmer.**

*Araiopleura* **gen. n.** [Hapalopleuridae] p. 207 for type *A. reticulata* **sp. n.** p. 209 figs. 112 (2*a–e*), 114 restor. Ordovician (Lower) Argentina (Salta), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Arbataspis* gen. nov. (? Sivov) p. 179, **Borukaev.**

*Arctinuroides* Phleger 1936 a synonym of *Arctinurus* p. 114, **Tripp (1).**

*Arctinurus* Castelnau 1843 referred to Lichinae with synonyms *Oncholichas* Schmidt, *Pterolichas* Gürich, *Pseudotupolichas* Phleger, *Arctinuroides* P., *Trimerolichas* P. p. 114 ; *A. boltoni* (Bigsby) hypostome text-fig. 4H, **Tripp (1).**

Argetinae Gürich 1901 see Ceratarginae **subfam. n.**

*Arionellus hyeronimi* Kayser 1876 referred to *Angelina* [quod vide] with synonym *A. lorentzi* K. p. 99, **Harrington & Leanza.**

*Aristoharpes sinensis* (Grabau) p. 292 pl. clv figs. 1–2, **Lu.**

*Arthricocephalus chauveaui* Bergeron p. 265 pl. cxxxix fig. 11, **Lu.**

*Artokephalus* **gen. n.** (Sivov & Egorova) [Remopleuridae] p. 143 for type *A. minimus* **sp. n.** (S.) p. 143 pl. xvi figs. 6a–6, *A. squalaris* **sp. n.** (S.) p. 144 pl. xv fig. 11, *A. suburceus* **sp. n.** (E.) p. 144 pl. xv figs. 12, 14 Cambrian (Upper) U.S.S.R. (W. Siberia), **Sivov & Egorova** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Asaphacea* see *Tungtzuella* **gen. n.**

*Asaphelloides* see *Asaphellus.*

*Asaphellus catamarcensis* Kobayashi 1935 [including *A. jujuanus* Harrington 1937 *partim*, *A. americanus* of K. 1937 & of H. 1938, *Basiliella carinata* H. 1938 *partim* (pl. 13 fig. 11)] p. 147 figs. 64 (1–6), 65 (1–8), *A. jujuanus* H. 1937 restr. [pl. 5 fig. 9] p. 151 figs. 66 (6–12), *A. riojanus* **sp. n.** Tremadoc Argentina (La Rioja) p. 153 figs. 66 (1–5), *A.* sp. & *A. ?* sp. listed p. 232 *ff.*; *A.* (*Asaphelloides*) Kobayashi 1937 discussed and considered invalid p. 151 ; *A. megacantha* Leanza 1941 referred to *Hoekaspis* p. 179, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Asaphellus trinodus* Chang p. 280 pl. cxlviii figs. 13–14, **Lu.**

*Asaphellus ?* sp. p. 15, F. Rasetti *in* **Oxley.**

*Asaphellus ?* sp. p. 494 pl. xlii figs. 21–22 [see also Unidentified hypostomes], **Ross.**

Asaphid ind. p. 36, **Cowie & Adams.**

Asaphid pleura p. 503, Stubblefield *in* **Sudbury.**

Asaphid trilobites with triangular pygidia — discussion of *Megalaspis, Xenostegium, Thysanopyge, Kobayashia, Kayseraspis, Trigonocerca, Trigonocercella* p. 495, **Ross.**

Asaphidae see *Maja* **gen. n.**

Asaphinae see *Ogygitella* **gen. n.**

Asaphiscidae see *Kaniniella, Orloviella* and *Metisaspina* **genn. n.**

Asaphiscidae see *Paraorlovia* **gen. n.**

*Asaphiscus* [cf. on p. 30] *iddingsi* Walcott p. 15 ; *A. kobayashii* Resser & Endo type of *Liaoyangaspis* **gen. nondescr.** p. 31, **Chang.**

*Asaphiscus walcotti* Resser & Endo p. 267 pl. cxlii fig. 5, **Lu.**

*Asaphopsis granulatus* Hsü p. 283 pl. cxlvi figs. 10–11, **Lu.**

*Asaphopsis intermedia* **sp. n.** p. 191 figs. 100 (1–6) Ordovician (Middle) Argentina (La Rioja), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Asaphus cornutus* Pander pl. figs. 1a, 1b, 6, *A. lepidurus* Niesz. pl. figs. 3, 4, 9, 11, text-figs. 4, 5, *A. acuminatus* Boeck pl. fig. 5, *A. expansus* Dalm. pl. figs. 7, 10, *A. platyurus* Ang. pl. fig. 8, **Balashova.**

*Asaphus* (*Neoas.*) *cornutus c.* Pander p. 138, **Jaanusson.**

*Asaphus debuchianus* Brongniart 1822 type of *Ogygiocarella* **gen. n.** p. 161, *A. ? salagastensis* Rusconi 1951 a synonym of *Mendolaspis salagastensis* R. 1951 p. 214, **Harrington & Leanza.**

*Asaphus expansus* p. 48, *A.* sp. cf. *platyurus* p. 49, G. Henningsmoen *in* **Holtedahl & Dons.**

*Asaphus expansus, A. striatus* p. **47, L.** Størmer *in* **Holtedahl & Dons.**

*Asaphus fenhsiangensis* **sp. n.** p. 532 (551) pl. ii figs. 2a–f, *A.* sp. p. 533 pl. ii fig. 3 Ordovician (Upper) China (Hu-peh), **Yi** Acta palaeont. sinica **5** 4 1957.

*Asaphus* (*Neoasaphus*) *robergi* Wiman, *A.* (*N.*) *nieszkowskii* Schm. p. 107, *A.* (*N.*) *n.* var. *itferensis* S. p. 113, **Rõõmusoks.**

*Aspidagnostus acutifrons* (Troedsson) p. 260 pl. cxxxviii fig. 1, **Lu.**

*Asteropyge* (*Rhenops*) *jani* **sp. n.** p. 74 pl. iii figs. 6–7 text-figs. 6a–b Devonian (Middle) Poland (Lysa Gora), **Osmólska** Acta palaeont. polon. **2** 1 1957.

*Asteropyge* sp. p. 135, **Röder.**

Astycoryphinae Hupé 1953 a synonym of Tropidocoryphinae p. 91*n*, **Přibyl.**

*Athabaskia* sp. indet. p. 792 pl. iic fig. 19, **Shaw (3).**

*Atractopyge* see *Cybele.*

*Aulacopleura* Corda 1847 excluded from Olenidae p. 19, **Henningsmoen (1).**

*Aulacopleura bohemica* Přib. p. 409, **Chlupáč.**

*Aulacopleura* (*Aulacopleura*) *konincki* (Barrande 1846) p. 92 (132) pl. iii figs. 1–2 text-figs. 4a–b, **Tomczykowa.**

*Australoharpes* **gen. n.** [Harpidae] for type *A. depressus* **sp. n.** p. 195 figs. 102 reconstr., 103 (2–3) Tremadoc Argentina, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Australopyge* **gen. n.** [Ogygiinae] for type *A. acanthura* **sp. n.** p. 175 fig. 86 (1), *A. russoi* **sp. n.** p. 175 fig. 86 (2) Ordovician (Lower) Argentina (Salta), *A.* sp. p. 249, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Autolichas* Reed 1923 a synonym of *Lichas* p. 113, **Tripp (1).**

*Autoloxolichas* Phleger 1936 a synonym of *Platylichas* p. 116, **Tripp (1).**

*Babakovia* **gen. n.** [Dorypygidae] p. 123 for type *B. dorypygaeformis* [*dorypygeformis* on pl. expl.] **sp. n.** p. 124 pl. xvi figs. 4a–6 Cambrian (Lower) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Bailiella gemina* Schmidt 1942 referred to *Conocoryphe* (*C.*) p. 22, *B.* cf. *lyelli* of S. to *C.* (*C.*) *palpebralis* **sp. n.** p. 21, *B. heberti* of S. to *C.* (*Parabailiella*) *schmidti* **sp. n.** p. 23, **Sdzuy (2).**

*Bailiella* aff. *inaequalis* (Linnarsson) listed p. 240, **Šnajdr (1).**

*Bailiella lantenoisi* Mansuy p. 265 pl. cxli figs. 10–12, **Lu.**

*Bailiella* cf. *lantenoisi* (Mansuy) p. 16, **Chang.**

*Barrandia* sp. p. 40, *B. ?* sp. p. 35 *ff.*, **Webb.**

*Basilicoides* Harrington 1937 a synonym of *Thysanopyge* Kayser 1898 since its type *B. taurinus* H. 1937 is a synonym of *T. argentina* K. p. 171, **Harrington & Leanza.**

*Basilicus lutsi* Öpik p. 116, **Rõõmusoks.**

*Basilicus* sp. aff. *B. tyrannus* of Kobayashi from Bolivia identification doubted p. 35, **Harrington & Leanza.**

*Basiliella carinata* Harrington 1938 restr. holotype refigured [excluding pl. 13 fig. 11 to *Asaphellus catamarcensis*] with synonym *Megalaspis planilimbata* var. *cyclopyge* H. 1938 restr. [excluding referred cranidium to *A.*] p. 145 figs. 61 (1–9), 62 (1–9), **Harrington & Leanza.**

*Basiliella yunnanensis* (Reed) p. 279 pl. cxlix fig. 6, **Lu.**

*Basocephalus nominalis* Ivshin, *B. weberi* I. p. 219, **Borukaev.**

*Bathyurellus* sp. cf. *B. feitteri* [sic] (Holliday) p. 36, *B. pogonipensis* Hintze p. 59, **Webb.**

*Bathyurellus* sp. A [undescr.], *B.* sp. p. 36, *? B.* sp. p. 41, *B.* sp. (cf. *teicherti* Poulsen) p. 105, *B. teicherti* p. 106, **Cowie & Adams.**

Bathyurida ind. p. 36, **Cowie & Adams.**

*Bathyurina megalops* Poulsen, *B.* sp. A [undescr.] p. 36, **Cowie & Adams.**

*Bathyuriscus* see *Agyrenella* **gen. n.**

*Bathyurus extans ?* (Hall) p. 15 pl. v fig. 3, *B. spiniger* H. pl. v figs. 4–5, **Fisher.**

*Baumastus* [sic] sp. p. 26, **Oxley.**

*Bavarilla* Barrande 1868 excluded from Olenidae p. 20, **Henningsmoen (1).**

*Bavarilla* Barrande 1868 referred to Homalonotidae (Bavarillinae) **subfam. n.** p. 276, *B. hofensis* B. neotype figured pl. i fig. 1, **Sdzuy (4).**

Bavarillinae **subfam. n.** [Homalonotidae] for *Bavarilla* p. 276, **Sdzuy** Senckenbergiana leth. **38** 5–6 1957.

*Bellefontia collieana* (Raymond) with muscle scars p. 135 pl. x figs. 4–5, 7–10, **Sando.**

*Belovia* **gen. n.** (Poletaeva) [Odontopleuridae] p. 173 for type *B. calva* **sp. n.** (Chernysheva) p. 174 pl. xxxii fig. 10 Cambrian (Middle) U.S.S.R. (Siberia), **Poletaeva & Chernysheva** Trud. VSEGEI NS [Pal.] **12** 1956.

*Belovia* Poletaeva referred to Eoacidaspidae **fam. n.** p. 165, *B. calva* Chernysheva text-fig. 1, **Poletaeva.**

*Beltella* Lake 1919 discussed and referred with query to Pelturinae, *B. depressa* (Salter 1859) [excluding Lake 1919 *partim* pl. 12 figs. 9–10 to *Angelina ? vexata*] lectotype selected p. 268, *B. ? ulrichi* (Kayser 1897) lectotype selected p. 269, *B. ? verisimilis* (S. 1866) [excluding Lake 1919 *partim* pl. 13 figs. 4–5 to *Olenus ? bucephalus*] lectotype selected but may be a synonym of *B. depressa* p. 270; *B. solitaria* Westergård 1922 referred tentatively to *Protopeltura* p. 230, *B. latifrons* Wilson 1954 tentatively to *Angelina* p. 158, *B. spinifera* L. 1932 tentatively to *Leptoplastides* p. 267, **Henningsmoen (1).**

*Beltella ulrichi* (Kayser 1897) lectotypes selected p. 88 fig. 28 ; *B. u.* of Harrington 1938 *partim* (pl. 7 fig. 9) referred to *Parabolinopsis mariana* Hoek p. 90, **Harrington & Leanza.**

*Bemaspis* Frederickson 1949 may belong to new subfam. of Elviniidae p. 28, **Henningsmoen (1).**

*Bemaspis* recorded p. 16, **Shaw (5).**

*Benthamaspis ? problematica* Poulsen p. 36, **Cowie & Adams.**

*Bergeroniellus sinensis* (Chang) p. 262 pl. cxxxix fig. 8, **Lu.**

*Berkeia* sp. p. 117, **Drewes & Palmer.**

*Berkia* [sic] recorded p. 16, **Shaw (5).**

*Bernia* Frederickson 1949 excluded from Olenidae p. 20, may belong to new subfam. of Elviniidae pp. 22, 28, **Henningsmoen (1).**

*Bernia* recorded p. 16, **Shaw (5).**

*Bestjubella munificus* gen. et sp. nov. (Ivshin) p. 276, **Borukaev.**

*Bevanopsis* referred to Cybelinae p. 1724, **Evitt.**

*Bienvillia* Clark 1924 referred to Oleninae with synonym *Diatemnus* Raymond 1937 p. 142, *B. corax* (Billings 1865) [excluding pygidium fig. 322b], *B. micula* (R. 1937) p. 144, *B. shinetonensis* (Lake 1913) [so attributed] for *Triarthrus s.* L. lectotype selected, *B. tetragonalis t.* (Harrington 1938) for *Parabolinella t.* H. lectotype selected p. 144, *B. tetragonalis broeggeri* **subsp. n.** for *P. limitis* Brögger 1882 *partim* and Størmer 1920 p. 145 pl. xi figs. 1–7 Tremadoc Norway, *B. ? wimani* (Westergård 1917) for *P. w.* W. lectotype selected including *P. l.* of S. 1922 p. 146 pl. x figs. 7–9 ;

*B. terranovica* Rasetti 1954 referred to *Leiobienvillia* p. 160, *B. ? canadensis* (Kobayashi 1955) for *Peltura c.* K. p. 273, **Henningsmoen** Skr. norske VidenskAkad. I Mat.-Nat. Kl. **1957** No. 1.

*Bienvillia* spp. 1 and 2 [undescr.] p. 15, F. Rasetti *in* **Oxley.**

*Birmanites birmanicus* (Reed) p. 284 pl. cxlvii figs. 5–6, **Lu.**

*Birmanites hupeiensis* **sp. n.** p. 534 (552) pl. iii figs. 1a–g, *B.* sp. p. 535 pl. iii fig. 2 Ordovician (Upper) China (Hu-peh), **Yi** Acta palaeont. sinica **5** 4 1957.

*Blackwelderia octaspina*, *B.* sp., *B. sinensis* (Bergeron) p. 29, **Chang.**

*Blackwelderia sinensis* (Bergeron) figs. 8–9, *B. paronai* (Airaghi) figs. 5–7 pl. cxliv p. 275, **Lu.**

*Blainia gregaria* Walcott ?—redescription of Lalicker's 1935 developmental stages p. 940 pl. cxv figs. 7, 12–14, **Whittington (1).**

*Blountia* see *Sphaerocare* **gen. n.**

*Blountiella* see *Sphaerocare* **gen. n.**

*Bodenbenderia* **gen. n.** [Incertae sedis, resemblances to *Brackebuschia* and *Fuchouia*] for type *B. longifrons* **sp. n.** p. 226 fig. 124 (2) Tremadoc Argentina, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Boeckaspis* Henningsmoen 1955 discussed and referred to Pelturinae p. 257, may be a junior synonym of *Sphaerophthalmella* Kobayashi 1955 p. 272, *B. hirsuta* (Brögger 1882) lectotype selected and figured p. 258 pl. xxix figs. 1–8, *B. mobergi* (Wiman 1905) restr. [*non* pl. 5 fig. 10 to *Bienvillia ? wimani*] lectotype selected with synonym *Boeckia jarensis* Størmer 1922 p. 259 pl. xxix figs. 9–12, tracks possibly of *B. h.* or *B. m.* p. 74 text-fig. 9 ; *B. ? descensus* (Clark) 1924 probably not an Olenid p. 22, **Henningsmoen (1).**

*Boeckia* see *Boeckaspis*, *B. ? illaenopsis* Westergård 1909 a synonym of *Westergårdia lata* (Matthew 1891) p. 254, **Henningsmoen (1).**

*Bohemilla stupenda* Barr. p. 24, **Röhlich (1).**

*Bolaspidella ?* recorded p. 16, **Shaw (5).**

*Bolaspis* recorded p. 16, **Shaw (5).**

*Bolbocephalus groenlandicus* Poulsen, *B.* sp. p. 36, *B.* sp. (cf. *seelyi* Whitfield) p. 105, **Cowie & Adams.**

*Bolbocephalus ?* sp. p. 45, **Webb.**

*? Bonnia* sp. p. 28, **Cowie & Adams.**

*? Bonniella* sp. p. 28, **Cowie & Adams.**

*Borthaspidella* Rasetti may belong to new fam. with *Illaenopsis* and *Platypeltoides* p. 183, reference of *Symphysurus ? anderssoni* Troedsson to *B.* uncertain, **Harrington & Leanza.**

Brachymetopidae discussed p. 60, **Maksimova (1).**

*Brachymetopina* see *Brachymetopus.*

*Brachymetopus* McCoy 1847 discussed p. 58, *B.* (*Brachymetopina*) *maccoyi* (Portlock) p. 59 pl. figs. 1–3, **Maksimova (1).**

*Brachymetopus* (*Brachymetopus*) M'Coy 1847 type taken to be *Phillipsia maccoyi* Portlock 1843 selected Vogdes 1890 [R. & E. Richter's argument that M'Coy indicated *B. strzeleckii* as type not accepted], *B.* (*Brachymetopina*) Reed 1903 type taken to be *P. ouralica* de Verneuil 1845 selected Reed 1943 [Vogdes' 1925 selection of *B. strzeleckii* being invalid], *B.* (*Brachymetopina*) a subjective synonym of *B.* (*Brachymetopus*), **Goldring & Stubblefield.**

*Brackebuschia* **gen. n.** [Incertae sedis, resemblance to *Amphoton*] p. 224 for type *B. acheila* **sp. n.** p. 226 figs. 124 (1*a–d*) Tremadoc Argentina (Salta), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Brackebuschia* see *Bodenbenderia* **gen. n.**

*Brongniartella* Reed 1918 referred to Eohomalonotinae p. 277, **Sdzuy (4).**

*Brongniartella* see *Homalonotus.*

*Bronteus* ex gr. *flabellifer* Goldfuss p. 161 pl. x fig. 16, **Firtion.**

*Bronteus granulatus* Goldf. specimen of Harbort 1903 in Senckenberg Museum at Frankfurt p. 82, **R. & E. Richter.**

*Bronteus longispinifer* Mitchell 1887 may represent a new genus p. 2, *B. acanthopeltis* Barrande 1852 type of *Scutellum* (*Thysanopeltella*) **subgen. n.** p. 2, *B. radiatus* Weber 1923 *non* Münster 1840 renamed *S.* (*T.*) *weberi* **nom. n.** p. 4, **Kobayashi (2).**

*Bulaiaspis* Lermontova MS **gen. n.** [Redlichiidae] p. 145 for type *B. vologdini* L. MS **sp. n.** p. 146 pl. xxviii figs. 1–2, *B. primus* L. MS **sp. n.** pl. xxviii fig. 7, *B. taseevicus* Repina **sp. n.** pl. xxviii fig. 8, *B. peleduicus* R. [**sp. nondescr.**] pl. xxviii fig. 3 p. 147, *B.* sp. pl. xxviii figs. 4–6 Cambrian (Lower) U.S.S.R. (Siberia), **Repina** Trud. VSEGEI NS [Pal.] **12** 1956.

Bumastinae Raymond 1916 discussed and taken to include *Bumastus, Illaenoides, Thomastus, Dysplanus, Platillaenus* p. 93, **Jaanusson.**

Bumastinae Raymond not accepted as a separate subfamily of Illaenidae p. 150, **Šnajdr (2).**

*Bumastus* Murchison 1839 discussed p. 232, *B. bouchardi* (Barrande 1846) lectotype selected [excluding B. 1872 pl. 16 figs. 15–18] with synonyms *Nileus cyclurus* and *Illaenus minutus* Hawle & Corda p. 233 pl. x figs. 1–9, pl. xi figs. 1–13 text-figs. 2, 31 (C, D), 32, 33, 34 (E, F), *B. hornýi* **sp. n.** for *B. b.* nov. var. Horný 1955 Silurian (Upper) Bohemia p. 239 pl. x figs. 10–11 text-fig. 35, *B. ? tardus* (B. 1852) lectotype selected p. 242 ; *B. avus* Holub 1908 type of *Svobodapeltis* **gen. n.** with synonym *B. pragensis* Klouček 1916 p. 243, **Šnajdr** Sborn. úst. Úst. geol. **23** [Pal.] 1957.

*Bumastus* see *Baumastus*.

*Bumastus* (*Bumastus*) *barriensis* Murch. rostral plate discussed p. 94, *B.* (*B.*) n. sp. [undescr.] p. 94 text-fig. 9, **Jaanusson.**

*Bumastus* aff. *fronto* Troedsson, *B.* sp. p. 41, **Cowie & Adams.**

*Bumastus maccalumi* Salter p. 175 pl. xxii figs. 4a–6, **Lomovitskaya.**

*Bumastus porrectus* Raymond, *B. billingsi* Raymond & Narraway, *B.* cf. *B. b.*, *B.* sp. p. 1047, **Weiss.**

*Bumastus suni* **sp. n.** pl. cli fig. 7, *B. kueichouensis* [*kweichouensis* on pl. expl.] **sp. n.** pl. cli figs. 1–3 p. 289 Ordovician (Middle) China (Kweichow), **Lu** Index Fossils of China, Invertebrate, Part III 1957.

*Bumastus trentonensis* (Emmons) p. 17 pl. vi fig. 9, **Fisher.**

*Bumastus ?* sp. p. 456, **Ross.**

*Burmeisterella* Reed 1918 referred to Homalonotinae p. 279, *B. armata* (Burmeister) so referred p. 285 text-fig. 2 (reconstructions), **Sdzuy (4).**

*Burmeisteria* Salter 1865 referred to Homalonotinae and classified into *B.* (*Burmeisteria*) and *B.* (*Digonus*) although some spp. are intermediate p. 279, *B. hippocampus* Schwarz. text-fig. 1 (reconstruction), **Sdzuy (4)**

*Burnetia* sp. and *B. ?* sp. p. 117, **Drewes & Palmer.**

*Caborcella rara* Rasetti listed p. 957, **Rasetti.**

*Calliops callicephalus* (Green) p. 17, **Fisher.**

*Calliops schmidti* (Clarke) p. 1048, **Weiss.**

*Calliops* sp. p. 41, **Cowie & Adams.**

*Calodiscus lobatus* (Hall), *C.* spp. nov. A and B (cf. *lobatus*), *C.* sp. nov. C [all undescr.] p. 26, *C.* aff. *lobatus*, *C. agnostoides* (Kobayashi), *C.* sp. p. 28, **Cowie & Adams.**

*Calodiscus lobatus* p. 694, C. Lochman *in* **Craddock.**

*Calvinella* cf. *C. tenuisculpta* Walcott p. 116, **Drewes & Palmer.**

*Calvinella walcotti* (Mansuy) p. 285 pl. cxlviii fig. 5, **Lu.**

*Calymene* (*Colpocoryphe*) *aragoi* Rouault, *C.* (*Colp.*) *inopinata* Nov. et Per. p. 6, *C.* (*Colp.*) *grandis* Holub MS p. 20, **Röhlich (1).**

*Calymene* (*C.*) *blumenbachi blumenbachi* Brongniart p. 97 (135) pl. iii figs. 3–4, text-figs. 6a–b, *C.* (*C.*) *blumenbachi bardensis* **subsp. n.** p. 99 (136) pl. iv figs. 6–7 text-figs. 7a–e Silurian (Middle) Poland (Lysa Gora), **Tomczykowa** Bull. Serv. géol. Pologne No. 122 1957.

*Calymene* (*Colpocoryphe*) *incerta* Barr. p. 415, **Röhlich** (**2**).

*Calymene interjecta* Barr. p. 434, **Chlupáč.**

*Calymene maloungkaensis* Mansuy p. 288 pl. cliv figs. 5–6, **Lu.**

*Calymene* (*Synhomalonotus ?*) *pompeckji* Kobayashi 1937 (*non C. pompeckji* Kummerow 1928) renamed *Synhomalonotus kobayashii* **nom. n.** p. 221, **Harrington & Leanza.**

*Calymenella* Bergeron 1890 referred to Eohomalonotinae and discussed p. 276, *C.* (*Calymenella*) *moorei* **sp. n.** Ordovician Germany (Hessen) p. 287 pl. i figs. 5–8 text-fig. 4 (reconstruction), *C.* (*Eohomalonotus*) Reed 1918 so referred p. 276, *C.* (*E.*) *brongniarti* (Deslongchamps 1826) [det. R. & E. Richter] pl. i fig. 2, **Sdzuy** Senckenbergiana leth. **38** 5–6 1957.

*Calymenella* Bergeron 1890 discussed, *C.* (*Calymenella*) and *C.* (*Eohomalonotus*) Reed 1918 so referred but may not really be subgenera of the same genus, *C. ? zaplensis* **sp. n.** p. 224 figs. 123 (7–8) Ordovician (Middle) Argentina (Jujuy), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Calymenella* see *Eohomalonotus.*

*Calymenesun tingi* (Sun) p. 288 pl. cliv figs. 3–4, **Lu.**

Calymenidae Milne Edwards 1840 —Pharostomidae Hupé 1953 a synonym p. 92, **Přibyl.**

Calymenidae relations to Homalonotidae p. 279 ; Colpocoryphinae and *Synhomalonotus* [quae vide] removed to Homalonotidae, **Sdzuy** (**4**).

Calymenidae see *Colpocoryphoides* **gen. n.**; *Calymenidius* may be related to Calymenidae p. 222, **Harrington & Leanza.**

*Calymenidius* Rasetti 1944 discussed, may be related to Calymenidae p. 222, **Harrington & Leanza.**

*Calyptalaux* [sic] *?* sp. p. 456, **Ross.**

*Carolinites* aff. *genacinaca* Ross p. 36, **Cowie & Adams.**

*Catuniella* **gen. n.** [Anomocaridae] p. 170 for type *C. digna* **sp. n.** p. 171 pl. xxxi figs. 1, 1a, 2, *C. egens* **sp. n.** p. 172 pl. xxxi fig. 3 Cambrian (Middle) U.S.S.R. (Oiratsk), **Egorova** Trud. VSEGEI NS [Pal.] **12** 1956.

*Cedaria* sp., *C. ?* sp. p. 118, **Drewes & Palmer.**

*Cekovia* Šnajdr 1955 [sic] discussed p. 175, *C. transfuga* (Barrande 1852) restr. [*non* pl. 30 fig. 3 to *C. salteri*] p. 176 pl. v fig. 8, pl. viii figs. 6–12, pl. ix fig. 2, *C. salteri* (B. 1852) restr. [*non* pl. 35 fig. 18 to *Stenopareia panderi*] lectotype selected with synonyms *Illaenus limbatus* Hawle & Corda and *I. distinctus* B. 1852 p. 179 pl. ix fig. 1 text-figs. 11 (C, H), *C. götzi* **sp. n.** [may represent new subgenus] Ordovician (Middle) Bohemia p. 183 pl. v fig. 10, pl. ix figs. 3–9, text-figs. 12, 13 (C–F), 14 (M, N), *C.* sp. p. 187 pl. ix fig. 11, *I. davisii* Salter may belong to *C.* p. 176, **Šnajdr** Sborn. úst. Úst. geol. **23** [Pal.] 1957.

*Centropleura* see *Luhops* **gen. n.**

*Ceratarges* Gürich 1901 referred to Lichidae (Ceratarginae) **subfam. n.** p. 117, **Tripp** (**1**).

Ceratarginae **subfam. n.** [Lichidae] (replacing Argetinae Gürich 1901) to include *Ceratarges, Hemiarges, Trochurus, Dicranogmus, Acanthopyge, Eifliarges, Radiolichas, Akantharges, Craspedarges* p. 117 ; *Lichas jukesi* Billings 1865 *partim* (text-fig. 323 right) represents a new form of Ceratarginae p. 121, **Tripp** Geol. Mag., Lond. **94** 2 1957.

*Ceratocephala kuckersiana* (Schm.) p. 116, **Rõõmusoks.**

*Ceratocephala vesiculosa* and aff. *v.* (Beyr.) p. 436, **Chlupáč.**

Ceratocephalidae R. & E. Richter 1925—separation from Odontopleuridae reaffirmed p. 92, **Přibyl.**

*Ceratolichas* Hall & Clarke 1888 referred to Lichinae p. 116, *Echinolichas* Gürich may be a synonym p. 114, **Tripp (1).**

*Ceratonurus krejčli* (Nov.) p. 436, *C.* sp. p. 406, **Chlupáč.**

*Ceratopyge forficula* p. 47, L. Størmer *in* **Holtedahl & Dons.**

*Ceratopyge forficuloides* **sp. n.** p. 185 figs. 94 (1–9) Tremadoc Argentina (Salta); Moberg & Segerberg's cranidium of *C. forficula* (1906 pl. 5 fig. 6) excluded from *C. f.* p. 185, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

Ceratopygidae see *Pseudohysteroenus* **gen. n.**

*Ceraurinus* sp. p. 1048, **Weiss.**

*Ceraurus aculeatus* Eichw. p. 107, **Rõõmusoks.**

*Ceraurus pleurexanthemus* Green p. 17, **Fisher.**

*Ceraurus pleurexanthemus* Green, *C.* sp. p. 1048, **Weiss.**

*Chakasskia* Poletaeva discussed p. 108, *C. minussensis* P. p. 109 pl. xiii fig. 12, **Egorova et al.**

*Chancia rasettii* **sp. n.** for *Chancia* [n.] sp. Shaw 1954 Cambrian (Middle) U.S.A. (Vermont) p. 789 pl. ic figs. 29–31, **Shaw** J. Paleont. **31** 4 1957

*Chancia* sp. p. 112, **Drewes & Palmer.**

*Changia chinensis* Sun p. 286 pl. cxlviii fig. 6, **Lu.**

*Changshania conica* Sun p. 13, **Chang.**

*Changshania conica* Sun p. 283 pl. cxliv figs. 10–12, **Lu.**

*Charchaqia norini* Troedsson p. 278 pl. cxlviii figs. 10–11, **Lu.**

*Chariocephalus ? tumifrons* see Trilobite tail.

*Chasmops odini* (Eichw.) p. 107, *C. tallinnensis* Öpik p. 110, *C. emarginata* Schmidt, *C. marginata* S., *C. mutica* S., *C. wrangeli* S. p. 113, **Rõõmusoks.**

*Cheilocephalus* sp. p. 117*ff.*, **Drewes & Palmer.**

Cheiruridae — Staurocephalinae cannot be referred p. 157, **Kielan.**

Cheirurinae see *Emsurina* **gen. n.**

*Cheiruroides primigenius* (Saito) p. 265 pl. cxl figs. 1–2, **Lu.**

*Cheirurus* (*Crotalocephalus*) *affinis* Hawle & Corda 1847 not a synonym of *C.* (*Cr.*) *sternbergi* (Boeck 1827) p. 100, Chlupáč's 1955 &1956 records of *C.* (*Cr.*) *s.* & aff. *s.* referred to *C.* (*Cr.*) *affinis*, **Prantl.**

*Cheirurus* cf. *articulatus* (Münster 1840) p. 257, **Greiling.**

*Cheirurus* (*Crotalocephalus*) *gibbus* Beyr., *C.* (*Cr.*) *pauper* Barr., *C.* (*Cr.*) *globifrons* (H. & C.), *C.* (*Cr.*) *sternbergi* (Boeck) p. 436, *C.* (*Cr.*) aff. *s.* p. 406, **Chlupáč.**

*Cheirurus lunshanensis* Grabau p. 291 pl. cliii fig. 18, **Lu.**

*Cheirurus strabo* Weber p. 273 pl. lxiv fig. 5, **Khalfin.**

*Cheirurus weberi* Lomovitskaya p. 178 text-fig. 173, **Lomovitskaya.**

*Chinghizella elengatula* gen. et sp. nov. (? Ivshin) p. 219, **Borukaev.**

*Chondragraulos* Lermontova 1940 discussed and referred to Agraulidae p. 82, list of referred spp. including *C. angustus* Chernysheva MS, *C. infidus* C. MS p. 83, *C. subquadratus* **sp. n.** p. 84 pl. iii figs. 4–6, *C. perangustus* **sp. n.** p. 86 pl. iii figs. 7–9 Cambrian (Middle) U.S.S.R. (Kazakhstan), **Ivshin** Middle Cambrian Trilobites of Kazakhstan Part II 1957.

*Chondragraulos babakovensis* [*babakoviensis* on pl. expl.] **sp. n.** (Sivov) p. 124 pl. xiii fig. 1, pl. xiv fig. 15 Cambrian (Lower), *C. ? schoriensis* **sp. n.** (Poletaeva) p. 125 pl. xiii fig. 7, *C. ? anomalis* **sp. n.** (Sivov) p. 125 pl. xiii fig. 5 Cambrian (Middle) U.S.S.R. (W. Siberia), **Sivov & Poletaeva** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Chondranomocare* **gen. n.** [Anomocaridae] p. 169 for type *C. bidjensis* **sp. n.** p. 170 pl. xxxi figs. 4–5 Cambrian (Middle) U.S.S.R. (Kuznetsk), **Poletaeva** Trud. VSEGEI NS [Pal.] **12** 1956.

*Choneilobarges* Phleger **1936** a synonym of *Hemiarges* p. **117, Tripp (1).**

*Chuangia* — *Pagodia laohuensis* and *P. perquadrata* Endo probably belong, as may *P. hemispherica* Resser & E. p. 372, **Kobayashi (1).**

*Chuangia* recorded from Texas p. 326, W. C. Bell *in* **Wilson.**

*Chuangia batia* (Walcott) figs. 1–2, *C. tawenkoensis* Sun figs. 3–4 pl. cxlv p. 276, **Lu.**

*Chuangiopsis* **gen. n.** [Leiostegidae] p. 140 for type *C. sibirica* (Sivov) [not seen] p. 141 pl. xv figs. 9a–б, *C. batiaeformis* (S.) [not seen] pl. xv fig. 15, pl. xvi fig. 8, *C. speciosa* (S.) [not seen] pl. xvi fig. 9 p. 141 Cambrian (Upper) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia **I** 1955.

*Ciceragnostus* cf. *cicer* (Tullberg) p. 224, **Borukaev.**

*Ciceragnostus inaequalis* (Schmidt 1942) for *Phalacroma barlowii inaequalis* S. p. 10, **Sdzuy (2).**

*Ciceragnostus iruyensis* (Kayser 1897) for *Agnostus i.* K. [excluding Harrington 1938 pl. 4 fig. 12 to *Leiagnostus ? perinflatus*] p. 76 figs. 21 (4*a–b*), 22 reconstr., **Harrington & Leanza.**

*Clavagnostus* cf. *C. sulcatus* Westergard from Nevada p. 114, **Drewes & Palmer.**

*Clavagnostus ?* sp. for *Hypagnostus* cf. *parvifrons* record of Schmidt 1942 p. 10, **Sdzuy (2).**

*Clavatellus* **gen. n.** [Trinucleidae] p. 172 for type *C. globosus* **sp. n.** p. 173 pl. xxii fig. 1, *C. amsassensis* **sp. n.** pl. xxii fig. 2 Tremadoc U.S.S.R. (W. Siberia), **Poletaeva** Atlas of the leading forms of the fossil fauna and flora of Western Siberia **I** 1955.

*Clelandia* recorded pl. iv, **Sando.**

*Cobboldia altaica* **sp. n.** p. 106 pl. xi fig. 4 Cambrian (Lower) U.S.S.R. (W. Siberia), **Poletaeva** Atlas of the leading forms of the fossil fauna and flora of Western Siberia **I** 1955.

*Cobboldites* see **?** Gen. nov.

*Colpocoryphe* Novák 1918—similarities to *Plaesiacomia* discussed p. 278, **Sdzuy (4).**

*Colpocoryphe* see *Calymene.*

*Colpocoryphe arago* (Roualt) [sic] p. 503, Stubblefield *in* **Sudbury.**

Colpocoryphinae Hupé 1955 referred to Homalonotidae and taken to include *Colpocoryphe* and *Plaesiacomia* p. 278, **Sdzuy (4).**

*Colpocoryphoides* **gen. n.** [Calymenidae] p. 222 for type *Pilekia trapezoidalis* Harrington 1938 holotype refigured p. 223 figs. 123 (1–6) Ordovician (Tremadoc & Arenig) Argentina ; *Colpocoryphoides* a synonym of *Pharostomina* Sdzuy 1955 p. 276, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Comanchia* sp. p. 117, **Drewes & Palmer.**

Conaspid trilobite undet. p. 117, **Drewes & Palmer.**

*Condylopyge rex* (Barrande 1846) [comparison of Swedish and Bohemian forms], *C. regia* (Sjögren 1872) records of Schmidt 1942 confirmed p. 9, **Sdzuy (2).**

*Condylopyge rex* (Barrande) listed p. 240, **Šnajdr (1).**

*Conocephalites contiguus* Matthew 1892 may be an Olenid, perhaps *Parabolina* p. 114, **Henningsmoen (1).**

*Conocephalus malvernius* Phillips 1871 a synonym of *Peltura scarabaeoides* (Wahl.) p. 237, **Henningsmoen (1).**

*Conocoryphe* (*Conocoryphe*) Corda 1847—*Couloumania* Thoral 1946 a synonym, *C.* (*C.*) *palpebralis* **sp. n.** for *Bailiella* cf. *lyelli* of Schmidt 1942 p. 21 text-fig. 12, *C.* (*C.*) *gemina* (S.) for *B. gemina* S. p. 22, *C.* (*Parabailiella*) Thoral 1946 so considered, *C.* (*P.*) *schmidti* **sp. n.** for *B. heberti* of S. 1942 p. 23 text-fig. 13 Cambrian (Middle) Germany (Prussia), **Sdzuy** Senckenbergiana leth. **38** 1–2 1957.

*Conocoryphe ? longispina* and *C. ? williamsonii* Belt 1868 spp. referred

with query to *Parabolinites* **gen. n.** p. 131, *C. ? simplex* Salter 1866 with query to *Parabolinella* p. 141, *C. vexata* S. 1866 with query to *Angelina* p. 158, *C. ? olenoides* S. to *Peltocare* **gen. n.** p. 249, *C. ? bucephalus* B. 1868 with query to *Olenus* p. 111, **Henningsmoen (1).**

*Conocoryphe sulzeri* (Schlotheim), *C. granulata* H. & C. listed p. 240, **Šnajdr (1).**

Conocoryphidae Angelin 1854—Saoinae and Elrathiellinae Hupé 1953 considered subfamilies p. 88, **Přibyl.**

*Conokephalina emmrichi* (Barrande) listed p. 240, **Šnajdr (1).**

*Conolichas* Dames 1877 referred to Homolichinae with synonyms *Homolichas* Schmidt and *Cypholichas* Phleger p. 116, **Tripp (1).**

*Conolichas peri* Warburg, *C. triconicus* Dames p. 113, **Rõõmusoks.**

*Coosia radugini* **sp. n.** p. 132 pl. xiv fig. 8 Cambrian (Upper) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Coosia ?* sp. p. 118, **Drewes & Palmer.**

*Coreanocephalus planulatus* **sp. n.** Cambrian (Upper) Thailand p. 379 pl. iv figs. 13–17 text-fig. 4, **Kobayashi** J. Fac. Sci. Tokyo Univ. [2] **10** 3 1957.

*Cornuproetus* see *Proetus.*

*Coronocephalus* see *Encrinurus.*

*Corydocephalus* Hawle & Corda 1847 a synonym of *Trochurus* p. 117, **Tripp (1).**

*Corynexochides* sp. indet. Shaw 1954 referred to *Orriella ?* sp. indet. p. 792, **Shaw (3).**

*Corynexochina asiatica* Ivshin p. 219, **Borukaev.**

*Corynexochus commodus* Ivshin, *C.* sp. p. 219, **Borukaev.**

*Corynexochus* (s. l.) sp. ind. p. 29, **Cowie & Adams.**

*Couloumania* Thoral 1946 a synonym of *Conocoryphe* (*Conocoryphe*) Corda p. 21, **Sdzuy (2).**

*Couloumania havlíčeki* **sp. n.** p. 239 pl. ii fig. 18 Cambrian (Middle) Bohemia, **Šnajdr** Vestn. úst. Úst. geol. **32** 1957.

*Craspedarges* Gürich 1901 referred to Ceratarginae **subfam. n.** p. 118, **Tripp (1).**

*Crepicephalina convexa* (Walcott) figs. 26–27, *C. damia* (W.) figs. 24–25 pl. cxli p. 269, **Lu.**

*Crepicephalus* (*Bathyurus ?*) *angulatus* (Hall & Whitfield) not the type of *Moxomia* and probably referable to *Dunderbergia* p. 107, **Harrington & Leanza.**

*Crepicephalus chares* Walcott — problems of assignment of pygidium and relations to *Schistometopus* & *Kochiella* p. 966, **Rasetti.**

*Crepicephalus* sp., *C. ?* sp. indet. p. 15, **Shaw (5).**

*Crotalocephalus* see *Cheirurus.*

*Crotalocephalus sternbergi* Boeck p. 273 pl. lxv fig. 6, **Khalfin.**

Cryptolithinae see *Famatinolithus* **gen. n.**

*Cryptolithus bellulus* (Ulrich) pl. ii figs. 2–3, **Vokes.**

*Cryptolithus goldfussi* (Barr.) p. 415, **Röhlich (2).**

*Cryptolithus multiseriatus* Endo type of *Hanchungolithus* [? **gen. n.**], *C. welleri* E. type of *Ningkianolithus* [? **gen. n.**] p. 293, **Lu.**

*Cryptolithus tesselatus* (Green) p. 18, **Fisher.**

*Ctenocephalus* (*Ct.*) *coronatus* (Barrande) pl. ii fig. 19, **Šnajdr (1).**

*Ctenopyge* Linnarsson 1880 discussed and referred to Leptoplastinae p. 183, *C.* (*Eoctenopyge*) **subgen. n.** p. 183 for type *C.* (*E.*) *flagellifera* (Angelin 1854) neotype selected with synonyms *C. acadica* Matthew 1894 and ? *C. fusiformis* Lake 1913 p. 189 pl. xviii figs. 1–4, *C.* (*E.*) *angusta* Westergård 1922 restr. lectotype selected p. 187 pl. xix figs. 11–16, 18, *C.* (*E.*) *drytonensis* Cobbold 1934 with synonym *Sphaerophthalmus ? parabola* C. 1934 [and including C.'s 1934 records of *C.*

*flagellifera*, *C. f. angusta*, *Eurycare angustatum*] p. 188 pl. xviii figs. 5–14, *C.* (*E.*) *modesta* **sp. n.** [for *C. flagellifera* of Brögger 1882 *partim* (pl. 2 figs. 15, 17) and Holtedahl 1910, and *C. f. angusta* W. 1922 *partim* (pl. 11 figs. 6–7)] p. 191 pl. xix figs. 1–10 [recorded from England p. 48], *C.* (*E.*) *postcurrens* W. 1944 for *C. neglecta postcurrens* W. p. 193 pl. xvii figs. 8–10, *C.* (*Mesoctenopyge*) **subgen. n.** p. 183 for *C.* (*M.*) *spectabilis* Brögger 1882 restr. [*non* pl. 12 figs. 12 to *Protopeltura* sp., 12c to *C. angusta*] lectotype selected p. 197 pl. xxi figs. 1–7, *C.* (*M.*) *erecta* W. 1922 restr. lectotype selected p. 194 pl. xx figs. 1–9, *C.* (*M.*) *similis* **sp. n.** including *C. erecta* of W. 1922 *partim* (pl. 11 figs. 26–27) p. 195 pl. xx figs. 10–14 [recorded from England p. 48], *C.* (*M.*) *tumida* W. 1922 restr. lectotype selected p. 198 pl. xx fig. 16, *C.* (*M.*) *tumidoides* **sp. n.** for *C. tumida* of W. 1922 *partim* (pl. 11 figs. 19–20) p. 199 pl. xx fig. 15, *C.* (*Ctenopyge*) *affinis affinis* W. 1922 restr. p. 200 pl. xix fig. 22, *C.* (*C.*) *affinis gracilis* **subsp. n.** including *C. affinis* of W. 1922 *partim* (pl. 12 figs. 7–13) and of Strand 1929 p. 201 pl. xix figs. 17, 19–21 Cambrian (Upper) Norway & Sweden, *C.* (*C.*) *bisulcata* (Phillips 1848) with possible synonym *Olenus pauper* P. 1871 p. 203, *C.* (*C.*) *directa* Lake 1919 and *C.* (*C.*) *falcifera* L. 1913 lectotypes selected p. 204, *C.* (*C.*) *fletcheri* (Matthew 1901) for *Sphaerophthalmus f.* M. restr. [pl. 5 fig. 7d] lectotype selected with synonym *C. laticornis* W. 1944 p. 205 pl. xxii figs. 1–6, *C.* (*C.*) *linnarssoni* W. 1922 lectotype selected p. 207 pl. xxii fig. 8, *C.* (*C.*) *pecten* (Salter 1864) restr. [pl. 8 fig. 12] with synonym *C. concava* Linnarsson 1880 and including possibly *C. affinis* of W. 1922 *partim* (pl. 12 fig. 15) p. 208 pl. xxii figs. 9–10, *C.* (*C.*) *teretifrons* (A. 1854) p. 209, *C. ? expansa* (S. 1873) p. 210, *C. ? oelandica* W. 1922 [may belong to *Sphaerophthalmus* p. 212]; *C. neglecta* W. 1922 referred to *Leptoplastus* p. 168 as is *C. n. bornholmensis* Poulsen 1923 p. 165, *C. elachista* Harrington 1938 probably a larval Olenid p. 184, **Henningsmoen** Skr. norske Vidensk-Akad. I Mat.-Nat. Kl. **1957** No. 1.

*Ctenopyge elachista* Harrington 1938 probably a meraspid stage of *Acerocarina glaber* (H.) p. 95, **Harrington & Leanza.**

*Cybele* (*Atractopyge*) *xipheres* Öpik p. 115, *C.* (*Cybelella*) *rex* (Nieszk.), *C.* (*C.*) *coronata* Schm. p. 107, *C.* (*C.*) *revaliensis* S. p. 110, **Rõõmusoks.**

*Cybelella* see *Cybele.*

Cybelinae discussed in abstract, *Bevanopsis* referred p. 1724, **Evitt.**

*Cybelopsis* sp. p. 40*ff.*, **Webb.**

*Cyclognathina microps* sp. Lerm. p. 276, *C. magna* sp. nov. p. 278, *C. semiconvexus* sp. nov. p. 279, **Borukaev.**

*Cyclognathopsis laevis* gen. et sp. nov. p. 278, **Borukaev.**

*Cyclognathus* see *Acerocarina.*

*Cyclognathus rotundifrons* Matthew 1893 referred to *Peltocare* **gen. n.** p. 249, *C. glaber* Harrington 1938 possibly a synonym of *Peltocare norvegicum* (Moberg & Möller) p. 248, **Henningsmoen (1).**

*Cyclopyge* Hawle & Corda 1847—subgeneric classification of R. & E. Richter 1954 adopted p. 82, **Přibyl.**

*Cyclopyge prisca* (Barr.) p. 6, *C. p. longicephala* (Klou.), *C. princeps* (Barr.), *C. speciosa* (B.) p. 24, **Röhlich (1).**

*Cyclopyge rediviva* (Barr.) p. 415, *C.* sp. p. 392, **Röhlich (2).**

Cyclopygidae Raymond — list of Bohemian representatives p. 82, **Přibyl.**

*Cyphaspides comatus* (Barr.), *C. svobodai* Ptl & Přib. p. 436, *C. holinensis barrandei* P. & P. p. 409, **Chlupáč.**

*Cyphaspides* spec. p. 439 (467) pl. iv fig. 1, **Strnad.**

*Cyphinium* Weber 1933 tentatively accepted as a synonym of *Ditomopyge* p. 197, *C. ? paffenholzi* W. 1944 referred to *Pseudophillipsia* [quod vide] p. 207, **Goldring.**

*Cypholichas* Phleger 1936 a synonym of *Conolichas* p. 116, **Tripp (1).**

*Cyranolichas* Phleger 1936 a synonym of *Hoplolichas* p. 116, **Tripp (1)**.

*Cyrtometopus tumidus* (Angelin) var. *perconvexus* var. nov. (Ivshin) p. 280, **Borukaev.**

*Cyrtometopus ?* sp. p. 219 figs. 121 (1*a–b*) Ordovician (Middle) Argentina (San Juan), **Harrington & Leanza.**

*Cyrtosymbole ? superstes* (Barr.) p. 435, **Chlupáč.**

*Cyrtosymbole ?* sp. p. 65 pl. iii fig. 3, **Osmólska.**

Cyrtosymbolidae see Scharyiinae **subfam. n.**

Cyrtosymbolinae Hupé 1953 referred to Proetidae, Eodrevermanniinae H. a synonym p. 90, **Přibyl.**

*Dactylocephalus dactyloides* Hsü p. 283 pl. cxlvi figs. 8–9, **Lu.**

*Dalmania inflata* Želízko and *D. formosa* Ž. referred to *Ormathops* [quod vide] p. 26, **Röhlich (1).**

*Dalmanites* cf. *dagon* Reed p. 530 (547) pl. v figs. 1a–d [referred to *Phacops* p. 547], **Yi.**

*Dalmanites limulurus* (Green) p. 81 pl. iii fig. 13, **Vokes.**

*Dalmanitina nanchengensis* **sp. n.** p. 292 pl. cliv figs. 8–11 Silurian (Lower) China (Shen-si), **Lu** Index Fossils of China, Invertebrate, Part III 1957.

*Dalmanitina olini* Temple growth of glabella discussed, **Temple.**

*Dalmanitina proaeva proaeva* (Emmr.), *D. solitaria* (Barr.) p. 415, **Röhlich (2).**

*Dalmanitina proaeva* (Emmr.) nov. subsp. (= *D. proaeva čilinensis* Šnajdr 1956 p. 34*n*) Ordovician (Middle) Bohemia p. 34, *D. ?* sp. p. 22, **Röhlich (1).**

*Dalmanitina tellecheai* Rusconi 1951 type of *Proetiella* **gen. n.** p. 139, **Harrington & Leanza.**

*Damesella paronai* (Airaghi) figs. 1–3, *D. brevicaudata* Walcott fig. 4 pl. cxliv p. 275, **Lu.**

*Damesella paronai* (Airaghi), *D.* sp., *D. bilongispina* sp. nov. [nom. nud.] p. 15 (29), **Chang.**

*Dechenella* (*Dechenella*) *minima* Okubo p. 7 pl. i figs. 1a–b, 2a–b (restoration), **Kobayashi (2).**

*Decoroproetus* see *Proetus.*

*Delaria* Weller 1944—*Pseudophillipsia ? solida* Weber may belong p. 197, **Goldring.**

*Dellea* recorded p. 16, **Shaw (5).**

*Dellea ?* sp. p. 117, **Drewes & Palmer.**

*Deltacare* **gen. n.** [Incertae sedis, probably new proparian family] for type *D. prosops* **sp. n.** p. 228 fig. 124 (5) Tremadoc Argentina (Salta), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Denckmannites* see *Phacopidella.*

*Diacalymene diademata* (Barrande 1846) p. 101 (137) pl. iii fig. 5, pl. iv figs. 1–3 text-figs. 8a–c, **Tomczykowa.**

*Diatemnus* Raymond 1937 a synonym of *Bienvillia* Clark 1924 p. 142, **Henningsmoen (1).**

*Diceratocephalus armatus* Lu p. 273 pl. cxliii figs. 1–3, **Lu.**

*Diceratopyge mobergi* Troedsson p. 282 pl. cxlvi figs. 2–3, **Lu.**

*Dichelepyge* Harrington & Leanza 1952 discussed, *D. pascuali* H. & L. 1952 holotype refigured p. 189 figs. 97 reconstr., 98 (1*a–d*), **Harrington & Leanza.**

*Dicranogmus* Hawle & Corda 1847 referred to Ceratarginae **subfam. n.** with synonym *Liparges* Gürich p. 117, **Tripp (1).**

*Dicranopeltis* Hawle & Corda 1847 discussed with synonyms *Trachylichas* Gürich, *Dicranopeltoides* Phleger, *Makromuktis* P. & *Raymondarges* P., and referred to Lichinae p. 114, *D. woodwardi* (Reed) cranidium text-fig. 6I (line drawing), *D. scabra* (Beyrich) hypostome text-fig. 4G, *D. bifurcata* (R.) text-figs. 6A–B, *D. salteri* (Fletcher) text-fig. 6C, **Tripp (1).**

*Dicranopeltoides* Phleger 1936 a synonym of *Dicranopeltis* p. 114, **Tripp (1).**

*Dicranurus monstrosus* (Barr.) p. 436, **Chlupáč.**

*Dictyella ? mansuyi* Kobayashi 1933—*Tsinania* sp. Sun 1939 [cranidium] and *Xenostegium* sp. S. 1939 [pygidium] may together constitute a related sp. p. 370, **Kobayashi (1)**.

*Digonus* Gürich 1909 discussed and considered at most a subgenus of *Burmeisteria* p. 279, **Sdzuy (4)**.

*Digonus* see *Homalonotus*.

Dikelocephalidae see *Dikelocephalopsis* **gen. n.**

Dikelocephalidae see *Schoriella* **gen. n.**

*Dikelocephalites flabelliformis* Sun p. 13, **Chang**.

*Dikelocephalites flabelliformis* Sun p. 284 pl. cxlvi figs. 6–7, **Lu.**

*Dikelocephalopsis* Poletaeva [? **gen. n.**] [Dikelocephalidae] p. 168 for type *D. amzassensis* [*amsassensis* on pl. expl.] **sp. n.** p. 168 pl. xxi figs. 5a–б Tremadoc U.S.S.R. (W. Siberia), **Poletaeva** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Dikelocephalus* sp. p. 116, **Drewes & Palmer.**

*Dimeropyge galenensis* (Clarke) p. 1048, **Weiss.**

*Dimeropyge minuta* Öpik p. 107, **Rõõmusoks.**

*Dinesina meisteri* Lermontova MS p. 224, **Borukaev.**

*Dipharus spinosus* Chang [not seen] p. 258 pl. cxxxvii fig. 2, **Lu.**

*Diplagnostus planicaida* forma *bilobata* Kobay. p. 183, *D.* (*Linguagnostus*) *kjerulfi* (Brögger) var. p. 224, *D.* (*L.*) *kasachstanensis* Ivshin p. 218, **Borukaev.**

*Diplapatokephalus* Raymond 1937 a synonym of *Apatokephalus*, *D. levisensis* Rasetti 1943 of *A. serratus* (Boeck) p. 137, **Harrington & Leanza.**

*Dipleura* Green 1832 discussed and considered at most only a subgenus of *Trimerus* (and even subgeneric separation may be unjustified) p. 278, **Sdzuy (4)**.

*Diplolichas* Phleger 1936 a synonym of *Acanthopyge* p. 117, **Tripp (1)**.

*Diplorrhina umbonata* Hawle & Corda referred to *Hypagnostus* [quod vide], **Šnajdr (1)**.

*Ditomopyge* Newell 1931 discussed with probable synonyms *Cyphinium* Weber and *Neophillipsia* Gheyselinck p. 197 *ff.*, **Goldring.**

*Ditomopyge yungchangensis* Wang p. 287 pl. cliii fig. 10, **Lu.**

Ditomopyginae Hupé 1953 an artificial group within Phillipsiinae p. 91, **Přibyl.**

*Dolerasaphus* **gen. n.** [Ogygiinae] for type *D. laevis* **sp. n.** Tremadoc Argentina (Salta) p. 157 fig. 70, *D. ?* sp. p. 242, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Dolerobasilicus ?* sp. p. 147 fig. 63 (3), **Harrington & Leanza.**

Dolichometopidae see *Parapoliella* **gen. n.**

Dolichometopidae see Undetermined pygidium No. 1.

*Dolichometopsis ?* sp. undet. tentatively including Undet. pygidium No. 1 Rasetti 1951 p. 958 pl. cxviii figs. 9–16, pl. cxix figs. 12–15, **Rasetti.**

*Doryagnostus incertus* (Brögger) p. 223, **Borukaev.**

*Dorypyge chinghizensis* Lermontova MS p. 224, **Borukaev.**

*Dorypyge richthofeni* Dames p. 264 pl. cxl figs. 3–4, **Lu.**

*Dorypyge richthofeni* Dames p. 123 pl. xiii figs. 11a–б, **Egorova et al.**

*Dorypyge ?* sp. for *D.* cf. *richthofeni* of Schmidt 1942 p. 19 text-figs. 8–9 ; *D.* sp. indet. and tentatively *D.* cf. *lakei* of S. 1942 referred to *Olenoides* sp. p. 20, *D.* cf. *lakei* of S. *partim* (pl. 22 fig. 12) to *Solenopleura picardi* S. p. 25, **Sdzuy (2)**.

*Dorypygella typicalis* Walcott p. 274 pl. cxliii figs. 7–8, **Lu.**

Dorypygid ind. p. 29, **Cowie & Adams.**

Dorypygidae see *Babakovia*, *Kooteniellina* and *Tabatopygellina* **genn. n.**

*Drepanura ketteleri* Monke, *D. premesnili* Bergeron p. 14, **Chang.**

*Drepanura premesnili* Bergeron p. 274 pl. cxliii figs. 9–10, **Lu.**

*Dunderbergia* — *Crepicephalus angulatus* (Hall & Whitfield) probably referable p. 107, **Harrington & Leanza.**

*Dunderbergia* sp. p. 117 *ff.*, **Drewes & Palmer.**

*Dysplanus* Burmeister 1843 referred to Bumastinae, *D. centrotus* (Dalman 1827) [excluding records of Eichwald 1860 *partim*, Volborth 1863, Holm 1886, Lamansky 1905 *partim*, Schmidt 1907 (all to *D.* cf. *acutigenia*), Wiman 1907 to *Illaenus* sp. indet.] with measurements p. 95 pl. i figs. 1–9 text-figs. 10–11, *D. acutigenia* **sp. n.** for *D. acutigena* nom. nud. 1954 [including *D. centrotus* of Brögger 1882 *partim* pl. 2 figs. 4, 4a–b (refigured) and pl. 6 fig. 5] p. 99 pl. i figs. 10–13, pl. ii figs. 1–8 text-fig. 12 Ordovician (Lower) Sweden (Östergötland), *D.* cf. *acutigenia* for some records of *D. centrotus* [see above] p. 99 ; *Illaenus* sp. Poulsen 1936 belongs to *D.* p. 141 *n*, **Jaanusson** Bull. geol. Instn Univ. Upsala **37** 1–2 1957.

*Dysplanus* — " *Illaenus* " *wahlenbergianus*-group of Jaanusson may represent a subgenus p. 84, **Přibyl.**

*Dytremacephalus* Palmer 1954 [recte 1955] may belong to Andrarinidae p. 27, **Henningsmoen (1).**

*Dytremacephalus* sp. p. 471, J. L. Wilson *in* **Sabins.**

*Dytremacephalus* sp. p. 118, **Drewes & Palmer.**

*Eccaparadoxides* **gen. n.** [no family assigned] p. 238 for type *Paradoxides pusillus* Barrande 1846 pl. ii fig. 17 Cambrian (Middle) Bohemia ; *E. oelandicus* (Sjögren), *E. harknessi* (Hicks) and *E. mediterraneus* (Pompeckj) so referred, **Šnajdr** Vestn. úst. Úst. geol. **32** 1957.

*Eccoptochile* (*Eccoptochiloides*) *scuticauda* (Barrande 1846) — *Placoparia microptera* Hawle & Corda a synonym p. 513, **Prantl & Šnajdr.**

*Eccoptochile ?* sp. p. 400, **Röhlich (2).**

*Echinolichas* Gürich 1901 referred to Lichinae but may be a synonym of *Ceratolichas* p. 114, **Tripp (1).**

*Ectillaenus* Salter 1867 discussed with synonym *Wossekia* Raymond 1916 p. 194, *Ectillaenus benignensis* (Novák 1918) lectotype selected p. 196 pl. i figs. 1–8, pl. ii figs. 1–7, pl. iv figs. 1–7 text-figs. 18 (Q, R), 19 (H, J), 20 (K, L), *E. advena* (Barrande 1872) lectotype selected p. 203 pl. ii fig. 8, pl. vi fig. 2 text-figs. 21 (G, H), 22, *E. parabolinus* (N. 1918) lectotype selected p. 207 pl. iv fig. 8, pl. vi figs. 4–8, text-figs. 23, 24 (C, D), 25, *E. katzeri* (B. 1856) lectotype selected p. 212 pl. ii figs. 9–15, pl. iv fig. 9, pl. vi fig. 3, pl. x fig. 12, text-figs. 26 (G, H), 27, *E. šarkaensis* (N. 1918) lectotype selected p. 217 pl. iii figs. 1–7, pl. v fig. 11, text-figs. 1, 4 (A, B), 28 (A, B), *E. holubi* (Šnajdr 1955 *sic*) p. 223 pl. i fig. 9, *? E.* sp. p. 224 pl. v fig. 9, pl. xii fig. 3, **Šnajdr (2).**

*Ectillaenus* Salter 1867 referred to Illaeninae p. 109, **Jaanusson.**

*Ectillaenus* see *Illaenus*.

Edelsteinaspidae Hupé — *Labradoria* Resser referred p. 28, **Ivshin.**

*Eifliarges* R. & E. Richter 1917 referred to Ceratarginae **subfam. n.** p. 118, **Tripp (1).**

*Elasmaspis* Kram. [not seen] discussed p. 49, **Kramarenko.**

*Eleutherocentrus* sp. cf. *E. petersoni* Clark p. 40, *E.* sp. p. 38 *ff.*, **Webb.**

*Ellipsocephalus anomocaroides* Schmidt 1942 with synonym *E. ansatus* S. referred to *Micmacca* p. 16, *E. annulatus* S. to *Protolenus* p. 14, *E. anomocaroides* S. *partim* (pl. 24 figs. 26–27) to *Protolenus* cf. *annulatus* (S.) p. 15, **Sdzuy (2).**

*Ellipsocephalus germari* Barrande 1852 type of *Germaropyge* **gen. n.** p. 237 ; *E. hoffi* (Schloth.) and *E. vetustus* Pompeckj listed p. 240, **Šnajdr (1).**

*Elliptocephala asaphoides* Emmons —redescription of Ford's (and Lochman's) developmental stages p. 935 pl. cxv figs. 1–6, the youngest known stages being considered meraspides, **Whittington (1).**

*Elliptocephala asaphoides* Emmons growth-stages p. 431 text-figs. 3 (A–D), **Whittington (2).**

*Elliptocephala asaphoides* p. 694, C. Lochman *in* **Craddock.**

*Elrathia* see Trilobite head.

*Elrathia kingii* (Meek) discussed in abstract, survivorship curve stated to have been constructed, **Bright.**

*Elrathiella* possibly *E.* n. sp. Durkee 1953 [MS] p. 222, **Woodward.**

Elrathiellinae Hupé 1953 considered a subfamily of Conocoryphidae p. 88, **Přibyl.**

*Elrathina* sp. p. 112, **Drewes & Palmer.**

*Elvinia* sp. p. 117, **Drewes & Palmer.**

Elviniidae Kobayashi 1935 discussed, following forms may constitute a new subfamily *Taenicephalus, Bernia, Parabolinoides, Bemaspis, Maustonia, Meeria, Orygmaspis, Wilbernia,* ? *Idahoia* p. 28, **Henningsmoen (1).**

Elviniinae see *Thailandium* **gen. n.**

*Emsurina* **gen. n.** [Cheirurinae] p. 145 for type *E. sibirica* **sp. n.** pl. xvi fig. 2 Cambrian (Upper) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

Encrinuridae discussed in abstract, new subfamily [undescr.] recognised, see New genus B, **Evitt.**

Encrinuridae — Staurocephalinae Prantl & Přibyl 1947 separated as a distinct family [quod vide] p. 158, **Kielan.**

Encrinurinae discussed in abstract, see New genus A, **Evitt.**

*Encrinurus cybeliformis* Raymond p. 17 pl. vi fig. 10, **Fisher.**

*Encrinurus multisegmentatus* species-group p. 60 to include :—*E. multisegmentatus* (Portlock) holotype refigured with synonym *Ampyx baccatus* P. (refigured) p. 61 pl. xi figs. 6–8, pl. xii figs. 1–6 text-fig. 1C, *E. praecursor* Tripp p. 65 pl. xi figs. 1–5 text-figs. 1A–B, *E.* sp. p. 66 pl. xii figs. 19–21, *E. trispinosus* Reed for *E. m.* var. *t.* R. with synonym *E. m.* var. *girvanensis* R. 1935 p. 67 pl. xi figs. 15–19, pl. xii figs. 11–17 text-fig. 1F, *E.* aff. *trispinosus* R. p. 68 pl. xi figs. 12–14 text-fig. 1E, *E. lamonti* **sp. n.** Ordovician (Upper) Scotland (Ayrshire) p. 68 pl. xi figs. 9–11, pl. xii figs. 7–10 text-fig. 1D, *E. laurentinus* Twenhofel p. 70 pl. xi fig. 20, *E.* sp. for *E. l.* record of Størmer 1945 pl. 2 fig. 14 (refigured) may belong to group p. 70 pl. xii fig. 18 ; *E. multisegmentatus* records of Reed 1904 and Schmidt 1881 discussed, *E. punctatus* (Wahlenberg) discussed p. 71, **Tripp** Palaeontology **1** 1 1957.

*Encrinurus ? niquivilensis* **sp. n.** p. 220 fig. 122 (1), *E.* sp. fig. 122 (2) Ordovician (Middle) Argentina (San Juan), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Encrinurus* *(*Coronocephalus*) *rex* Grabau emend. Wang p. 291 pl. cliii fig. 17, **Lu.**

*Encrinurus* cf. *subvariolaris* (Münster 1840) p. 257, **Greiling.**

*Encrinurus* sp., *E.* (*Coronocephalus*) *kitakamiensis* Sugiyama, *E.* (*C.*) *rex* Grabau p. 386, **Ishii.**

*Encrinurus* sp. p. 1048, **Weiss.**

*Endymionia schucherti* Raymond p. 22, **Oxley.**

*Entomolithus* Linnaeus 1759 and *E. paradoxus* L. 1759 suppressed p. 325 and placed on Official Indices p. 327, **Opinion 496.**

*Entomostracites* Wahlenberg [1821] suppressed p. 325 and placed on Official Index p. 327, *E. gibbosus* W. [1821] designated as type species of *Olenus* Dalman and placed on Official List of Specific Names as are *E. paradoxissimus* W. [type of *Paradoxides*] and *E. spinulosus* W. [type of *Parabolina*] p. 326, **Opinion 496.**

*Entomostracites scarabaeoides* Wahlenberg 1821 designated as type of *Anthes* Goldfuss 1843 p. 231, **Henningsmoen (1).**

Eoacidaspidae **fam. n.** [Odontopleuroidea] for *Eoacidaspis* Poletaeva, *Belovia* P., *Acidaspides* Lermontova, and *Lerma* & *Paraacidaspis* P. MS [nom. nuda] p. 165, **Poletaeva** Annu. Soc. paléont. russe **16** 1957.

*Eoacidaspis* **gen. n.** [Odontopleuridae] p. 175 for type *E. salairicus* **sp. n.** p. 176 pl. xxxii figs. 5–6 Cambrian (Upper) U.S.S.R. (Siberia), **Poletaeva** Trud. VSEGEI NS [Pal.] **12** 1956.

*Eoacidaspis* Poletaeva referred to Eoacidaspidae **fam. n.** p. 165, *E. salairica* P. text-fig. 2, **Poletaeva.**

*Eobronteus lunatus* (Billings) p. 1048, **Weiss.**

*Eocryphops* see *Phacops.*

*Eoctenopyge* **subgen. n.** see *Ctenopyge.*

*Eodrevermannia bouškai* Přib., *E.* sp. p. 435, **Chlupáč.**

Eodrevermanniinae Hupé 1953 a synonym of Cyrtosymbolinae p. 90, **Přibyl.**

*Eoharpes benignensis* (Barr.) p. 24, **Röhlich (1).**

*Eoharpes* sp. p. 1048, **Weiss.**

Eohomalonotinae Hupé 1953 taken to include *Calymenella, Brongniartella, Synhomalonotus* p. 276, **Sdzuy (4).**

*Eohomalonotus* Reed 1918 considered a subgenus of *Calymenella* [quod vide] which has priority as the generic name p. 276, **Sdzuy (4).**

*Eohomalonotus* see *Calymenella.*

*Eohomalonotus* (*Calymenella*) *medius* (Barr.) p. 415, *E.* (*E.*) *bohemicus* (B.) p. 392, **Röhlich (2).**

*Eoisotelus orientalis* Wang p. 278 pl. cxlix figs. 1–3, **Lu.**

*Eomonorachus intermedius* (Walcott) p. 1048, *E.* sp. p. 1060, **Weiss.**

*Eosaukia* Lu 1954 [not seen] discussed p. 375, *E. latilimbata* L. text-fig. 3, "*E.*" *buravasi* **sp. n.** Cambrian (Upper) Thailand p. 376 pl. v figs. 1–10, 13–20, *E.? walcotti* (Mansuy) so referred p. 377, **Kobayashi** J. Fac. Sci. Tokyo Univ. [2] **10** 3 1957.

*Eosaukia* Lu 1954 [not seen], *E. latilimbata* L. p. 284 pl. cxlvii fig. 11, **Lu.**

*Erbia* Lermontova 1940 discussed p. 24, *E. sibirica* (Schmidt) p. 25 pl. i figs. 1–3, **Ivshin.**

*Erbia* Lermontova discussed, *E. sibirica* (Schmidt) p. 107 pl. xi fig. 10, *E. granulosa* L. p. 108 pl. xv fig. 10, *E. gigantea* **sp. n.** (Egorova) p. 108 pl. xii fig. 15, pl. xv figs. 5a–б Cambrian (Lower) U.S.S.R. (W. Siberia), **Sivov & Egorova** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Eremiproetus* see *Proetus.*

*Euarges* Gürich 1901 a synonym of *Acanthopyge* p. 117, **Tripp (1).**

*Eudolatites angelini* (Barr.) p. 415, **Röhlich (2).**

*Eugonocare* Whitehouse 1939 may belong to Andrarinidae p. 27, **Henningsmoen (1).**

*Euloma* Angelin 1854 discussed and excluded from Olenidae p. 20, **Henningsmoen (1).**

*Euloma ordinata* sp. nov. p. 279, **Borukaev.**

*Eulomia* [sic] Růžička 1931 excluded from Olenidae p. 20, **Henningsmoen (1).**

*Eurekia* sp. p. 116, **Drewes & Palmer.**

*Eurycare* Angelin 1854 discussed and referred to Leptoplastinae p. 178, *E. brevicauda* A. 1854 p. 179, *E. explanatum* (Holtedahl 1910) for *Leptoplastus ovatus explanata* H. 1910 restr. [*non* pl. 1 figs. 11–12 to *L. ovatus*] lectotype selected and figured including *E. intermedium* Westergård 1922 *partim* (pl. 2 figs. 9–10) p. 179 pl. xvi figs. 3–5, *E. latum* (Boeck 1838) lectotype selected and figured with synonym *E. camuricorne* Angelin 1854 p. 181 pl. xvi figs. 6–9, *E. spinigerum* Westergård 1922 lectotype selected p. 182 ; *E. angustatum* A. referred to *Leptoplastus* together with *E. a. crassicorne* W., *E. a. norvegicum* H. restr., and *E. intermedium* W. restr. ; *E. angustatum* of Cobbold 1934 to *Ctenopyge drytonensis* p. 188, **Henningsmoen (1).**

*Eymekops rectangularis* Resser & Endo 1937 type of *Peichiashania* **gen. nondescr.** p. 31, **Chang.**

*Fabulaspis famosus* Ivshin p. 219, **Borukaev.**

*Famatinolithus* **gen. n.** [Cryptolithinae] p. 199 for type *F. noticus* **sp. n.** p. 200 figs. 106 reconstr., 107 (1–4) Ordovician (Lower) Argentina (La Rioja), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Fieldaspis bilobata* Rasetti complete dorsal exoskeleton p. 956 pl. cxxi figs. 12–13, *F. celer* (Walcott) p. 957 pl. cxviii figs. 1–8 text-fig. 4 (2 drawings), *F. furcata* R. & *F. superba* R. listed p. 957 ; lineage *furcata-celer-superba* recognised p. 958, **Rasetti.**

*Flexicalymene* Shirley 1936 — *Orimops* Rafinesque 1832 [quod vide] stated to have precedence p. 13*n*, **Fisher.**

*Flexicalymene senaria* (Conrad) p. 1048, **Weiss.**

*Fuchouia* see *Bodenbenderia* **gen. n.**

*Fuchouia manchuriensis* (Walcott) p. 264 pl. cxl figs. 8–10, *F. chiai* **sp. n.** Cambrian (Middle) China (Kwei-chow and Hu-nan) p. 264 pl. cxl figs. 11–12, **Lu** Index Fossils of China, Invertebrate, Part III 1957.

*Galeaspis sphericus* gen. et sp. nov. (Ivshin) p. 276, **Borukaev.**

*Gallagnostus bolivianus* (Hoek 1912) with synonym *G. dubius* Harrington 1938 p. 78 figs. 13 (11 *pars*), 21 (2*a–b*), 23 reconstr., **Harrington & Leanza.**

*Gaphuraspis* **gen. n.** [Ptychopariidae] p. 88 for type *G. kalievi* **sp. n.** p. 89 pl. iii figs. 10–11, *G. gaphuri* **sp. n.** p. 91 pl. iii figs. 12–15, *G. superconvexus* **sp. n.** p. 92 pl. iii figs. 16, 16a Cambrian (Middle) U.S.S.R. (Kazakhstan) **Ivshin** Middle Cambrian Trilobites of Kazakhstan Part II 1957.

*Gaspelichas* Clarke 1907 referred to Lichinae p. 114, **Tripp (1).**

*Geragnostus* (*G.*) *maurii* **sp. n.** p. 65 figs. 8 reconstruction, 9 (6), *G.* (*G.*) *nesossii* **sp. n.** p. 65 figs. 9 (1–5), 10 reconstr., *G.* (*Micragnostus*) *tilcuyensis* (Kayser 1876) lectotype selected and figured p. 67 figs. 11 (1–2), *G.* (*M.*) *hoeki* Kobayashi 1939 p. 68 figs. 11 (3–6), *G.* (*M.*) *vilonii* **sp. n.** including *G. t.* of Harrington & Kay 1951 p. 68 figs. 12 reconstr., 13 (7–8), *G.* (*M.*) *neumanni* **sp. n.** p. 69 figs. 13 (9–11), *G.* (*M.*) *callaveiformis* **sp. n.** including *G.* sp. of H. 1938 p. 71 figs. 13 (1–5), 14 reconstr., *G.* (*M.*) *micropeltis* **sp. n.** p. 71 figs. 13 (6), 15 reconstr., *G.* (*M.*) *calviformis* **sp. n.** including *G. tullbergi* of H. 1938 *partim* (pl. 4 fig. 1) p. 72 figs. 16 reconstr., 17 (3*a–b*) Tremadoc Argentina, *G.* sp. p. 231*ff.*, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Geragnostus perrugatus* (Barr.) p. 24, **Röhlich (1).**

*Geragnostus* cf. *sidenbladhi* Linnarsson p. 280, **Borukaev.**

*Germaropyge* **gen. n.** [no family assigned] p. 237 for type *Ellipsocephalus germari* Barrande 1852 Cambrian (Middle) Bohemia, **Šnajdr** Vestn. úst. Úst. geol. **32** 1957.

'*Gignopeltis*' sp. p. 36, **Cowie & Adams.**

*Glossopleura bassleri* Resser p. 75, **Vokes.**

*Glossopleura* sp. p. 112, **Drewes & Palmer.**

*Glyphanellus* see *Glyphaspellus.*

*Glyphaspellus primus*, *G. latus*, *G. rimus*, *G.* (*Glyphanellus*) *margoritus* Ivshin spp. p. 219, *G.* cf. *p.*, *G.* aff. *r.* p. 222, **Borukaev.**

*Glyphaspis* recorded p. 16, **Shaw (5).**

*Glyphaspis* sp. p. 112, **Drewes & Palmer.**

Glyptometopidae Hupé — Lonchocephalidae H. may be synonymous p. 222, **Harrington & Leanza.**

*Goldillaenus* Schindewolf 1924 discussed and considered a subgenus of *Illaenoides* [quod vide] p. 93, **Jaanusson.**

*Goniotelina* cf. *brighti* (Hintze), *G.* sp. A [undescr.] p. 36, **Cowie & Adams.**

*Granularia* Poletaeva discussed, *G. obrutchevi* P. p. 109 pl. xi figs. 5 а–б, *G. babakovia* **sp. n.** p. 110 pl. xiii fig. 10 Cambrian (Lower) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Greenops boothi* (Green) pl. vi fig. 6, **Vokes.**

Griffithidedinae Hupé 1953 an artificial group within Phillipsiinae p. 91, **Přibyl.**

*Griffithides* cf. *granulatus* Wetherby pl. vii figs. 6–7, **Vokes.**

*Griffithides* sp. p. 35, **Rowell & Scanlon.**

*Grönwallia* Kobayashi 1935 referred to Andrarinidae p. 27, **Henningsmoen (1).**

*Guandacolithus* **gen. n.** [Tretaspidinae] p. 200 for type *G. furquei* **sp. n.** p. 202 figs. 107 (5–7), 108 reconstr. Ordovician (Middle) Argentina (San Juan), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Hanchungolithus* Lu 1956 [? recte **gen. n.**] [Trinucleacea] p. 293 for type *Cryptolithus multiseriatus* (Endo) pl. clv figs. 5–7 Ordovician (Lower) China, **Lu** Index Fossils of China, Invertebrate, Part III 1957.

*Hanivella* **gen. n.** [Anomocaridae] p. 132 for type *H. primaeva* **sp. n.** p. 133 pl. xv fig. 1 Cambrian (Upper) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Haniwa quadrata* Kobayashi p. 269 pl. cxli figs. 8–9, **Lu.**

*Hapalopleura* **gen. n.** [Hapalopleuridae] for type *H. clavata* **sp. n.** p. 205 figs. 109 reconstr., 110 (1–6), *H. longicornis* **sp. n.** p. 205 figs. 111 reconstr., 112 (1*a–e*) Tremadoc Argentina, *H.* sp. p. 240, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

Hapalopleuridae **fam. n.** [Trinucleina] for *Hapalopleura*, *Rhadinopleura* and *Araiopleura* **genn. n.** p. 203, *Myinda* may also belong to family p. 209, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

Harpedidae Hawle & Corda 1847 so spelled (not Harpidae) p. 88, **Přibyl.**

*Harpes cassinensis* Whitfield may belong to *Selenoharpes* p. 738, H. B. Whittington *in* **Weaver.**

*Harpes* aff. *montagnei* Hawle & Corda, *H. d'orbignyanus* Barr., *H. waageni* Ptl & Přib., *H. dvorcensis d.* P. & P., *H.* cf. *convexus* H. & C. p. 434, *H. c.* p. 406, **Chlupáč.**

*Harpes neogracilis* R. et E. Richter 1924 p. 441 (468) pl. v fig. 1 ; Maksimova's 1955 record of *H. neogracilis* discussed p. 471, **Strnad.**

*Harpes* (*H.*) *radians r.* Reinh. Richter, *H.* (*H.*) *r. asinus* Schwarzbach p. 200, **Alberti.**

Harpid brim p. 738 pl. iii fig. 3, H. B. Whittington *in* **Weaver.**

Harpidae see *Australoharpes* **gen. n.**

Harpidedidae Whittington 1950 so spelled (not Harpididae) p. 88, **Přibyl.**

*Harpides mediasiaticus* sp. nov. (Ivshin) p. 280, **Borukaev.**

*Harpides neogaeus* **sp. n.** p. 196 figs. 103 (1), 104 reconstr. Tremadoc Argentina (Salta), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Hawleia* **subgen. n.** see *Placoparia.*

*Hebidiscus* [sic] *orientalis* Chang [not seen] p. 257 pl. cxxxvii fig. 1, **Lu.**

*Hedinaspis* Troedsson 1951 [recte 1952] discussed and excluded from Olenidae, possible affinities with Ceratopygidae p. 20, **Henningsmoen (1).**

*Hedinaspis regalis* (Troedsson) fig. 6, *H. kueichouensis* [*kweichouensis* on pl. expl.] Lu [not seen] figs. 7–8 pl. cxlv p. 277, **Lu.**

*Hemiarges* Gürich 1901 discussed and referred to Ceratarginae **subfam. n.** with synonyms *Choneilobarges* Phleger and *Richterarges* P. p. 117, *H. bucklandi* (Milne Edwards) with synonym *H. anglicus* (Beyrich) text-fig. 3 A (drawing), *H. maccullochi* (Reed) hypostome text-fig. 4T, **Tripp (1).**

*Hemisphaerocoryphe pseudohemicranium* (Nieszk.) p. 113, **Rõõmusoks.**

*Highgatella* Shaw 1955 excluded from Olenidae p. 21, may belong to Elviniidae p. 22, **Henningsmoen (1).**

*Hintzeia* **gen. n.** [Protopliomeropsinae] p. 811 for type *Protopliomerops aemula* Hintze Ordovician

(Lower) U.S.A. and also including *P. celsaora* Ross and *P. firmimarginis* H., **Harrington** J. Paleont. **31** 4 1957.

*Hoekaspis* Kobayashi 1937 discussed and referred to Ogygiinae p. 176, *H. schlagintweiti* Harrington & Leanza 1942 p. 177 figs. 87 (1–6), *H. megacantha* (L. 1941) for *Asaphellus m.* L. p. 179 figs. 88 reconstr., 89 (1–4), **Harrington & Leanza.**

*Holanshania* Tu MS 1950 [**gen. n.**] for type *H. ninghsiaensis* Tu [**sp. n.**] p. 268 pl. cxli fig. 17 Cambrian (Middle) China (Kan-su), **Lu** Index Fossils of China, Invertebrate, Part III 1957.

*Holotrachelus punctillosus* Törnquist p. 176 text-fig. 170, **Lomovitskaya.**

*Holotrachelus* sp.. nov. (Lisogor) p. 306, **Borukaev.**

*Holubaspis* Přibyl 1950 [recte 1951] excluded from Olenidae p. 21, **Henningsmoen (1).**

*Homagnostus* see *Agnostus.*

*Homagnostus hoi* (Sun) p. 260 pl. cxxxvii figs. 23–24, *H. hoiformis* (Kobayashi) p. 260 pl. cxxxvii figs. 25–27, **Lu.**

*Homagnostus* sp. p. 117, **Drewes & Palmer.**

Homalonotidae Chapman 1890 classified into Bavarillinae **subfam. n.**, Eohomalonotinae, Colpocoryphinae, Homalonotinae p. 276 *ff.*, relations of genera p. 284 text-fig. 3, **Sdzuy (4).**

Homalonotinae Chapman 1890 taken to include *Homalonotus, Trimerus, Burmeisteria, Burmeisterella* and *Parahomalonotus* p. 278, **Sdzuy (4).**

Homalonotinae Chapman 1890—separation of Trimerinae Hupé 1953 doubtfully valid p. 92, **Přibyl.**

*Homalonotus* König 1825 discussed, *H. johannis* Salter is intermediate between *H.* & *Trimerus* but does not need generic or subgeneric separation p. 285, **Sdzuy (4).**

*Homalonotus armatus* Burmeister, *H.* sp. p. 134, **Röder.**

*Homalonotus* (*Brongniartella ?*) *bistrami* of Kobayashi 1937 hardly a *B.* p. 224, **Harrington & Leanza.**

*Homalonotus delphinocephalus* (Green) pl. iii fig. 12, **Vokes.**

*Homalonotus minor* Barrande 1872 a synonym of *Stenopareia panderi* (B.) p. 160, **Šnajdr (2).**

*Homalonotus* (*Digonus*) *rudersdorfensis* R. & E. Richter [E. Richter det.], *H.* (*D.*) sp. 1 p. 126 pl. vi figs. 1a–b, *H.* (*D.*) sp. p. 124 Devonian (Lower) Germany (Taunus), **Jentsch & Röder.**

Homolichinae Phleger 1936 discussed and taken to include *Conolichas, Hoplolichas* and *Platylichas* p. 116, **Tripp (1).**

*Homolichas* Schmidt 1885 a synonym of *Conolichas* p. 116, **Tripp (1).**

*Hoplolichas* Dames 1877 referred to Homolichinae with synonyms *Hoplolichoides* Phleger and *Cyranolichas* P. p. 116, **Tripp (1).**

*Hoplolichas conicotuberculatus* (Nieszk.) p. 107, *H. longispinus* (Schm.) p. 124, **Rõõmusoks.**

*Hoplolichoides* Phleger 1936 a synonym of *Hoplolichas* p. 116, **Tripp (1).**

*Housia* see N. gen.

*Housia* sp. p. 117, **Drewes & Palmer.**

*Hsuaspis* n. gen. [**gen. nondescr.**] for type *Lusatiops sinensis* Chang 1953 table 2 (opp. p. 24), **Chang.**

*Hydrocephalus carens* Barrande pl. ii fig. 14, *H. rotundatus* (B.), *H. ? lyelli* (B.), *H. minor* (Boeck) listed p. 240, **Šnajdr (1).**

*Hypagnostus* recorded p. 11, F. Rasetti *in* **Oxley.**

*Hypagnostus latilimbata* (Lorenz) p. 258 pl. cxxxvii figs. 6–7, *H. hunanicus* **sp. n.** p. 258 pl. cxxxvii figs. 8–10, *H. quadratus* **sp. n.** p. 258 pl. cxxxvii figs. 11–13 Cambrian (Middle) China (Kwei-chow & Hunan), **Lu** Index Fossils of China, Invertebrate, Part III 1957.

*Hypagnostus parvifrons* (Linnarsson) p. 223, *H.* aff. *p.* p. 183, *H. brevifrons* (Angelin) p. 224, *H. sublatus* Ivshin p. 218, **Borukaev.**

*Hypagnostus* cf. *truncatus* (Brögger 1878) for *H. t. lens* & *Peronopsis* cf. *lobatus* records of Schmidt 1942 p. 9 ; *H.* cf. *parvifrons* of S. 1942 referred to *Clavagnostus ?* sp. p. 10, **Sdzuy (2).**

*Hypagnostus umbonatus* (Hawle & Corda) for *Diplorrhina u.* H. & C. lectotype figured pl. i figs. 2–4, **Šnajdr (1).**

Hypermecaspididae **fam. n.** [Olenina] p. 120 for *Hypermecaspis* **gen. n.** and probably *Tropidopyge* Harrington & Kay, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Hypermecaspis* **gen. n.** [Hypermecaspididae] p. 121 for type *H. inermis* **sp. n.** p. 123 figs. 45 reconstr., 46 (1–7), 48 (6), *H. armata* **sp. n.** p. 125 figs. 47 reconstr., 48 (3–5) Ordovician (Lower), *H. inflecta* **sp. n.** p. 125 figs. 48 (1–2) Tremadoc Argentina (Salta), *H. bulmani* **sp. n.** p. 121 for *Saukia ?* sp. Bulman 1931 Ordovician (Lower) Bolivia, *Parabolinella rugosa* Brøgger 1882 and var. Lake 1913 also referred to *H.* p. 123, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Hypermekaspis* nom. nud. [related to *Parabolinella*] expl. chart 6 p. 303, **Henningsmoen (1).**

*Hysterolenus modestus* Harrington 1938 type of *Nannopeltis* **gen. n.** [quod vide] p. 227, **Harrington & Leanza.**

*Hystricuraspis probus* gen. et sp. nov. (Ivshin) p. 281, **Borukaev.**

*Hystricurus armatus* Poulsen, *H.* cf. *ravni* P., *H. sulcatus* P., *H.* sp. ind., '*H.*' *nudus* P. p. 33, '*H.*' sp. p. 36, **Cowie & Adams.**

*Hystricurus* sp. p. 488 pl. xliii figs. 21–22, 25–26 [two last compared with *H. robustus* Ross], **Ross.**

*Hystricurus* [s.s.] spp. p. 136 pl. xi fig. 4, *H. ?* spp. p. 137 pl. xi fig. 3, *H.* s.l. p. 108, **Sando.**

*Idahoia* Walcott 1924 may belong to new subfam. of Elviniidae p. 28, **Henningsmoen (1).**

Illaenidae Hawle & Corda 1847 discussed and classified into Illaeninae and Bumastinae [quae vide] p. 91, **Jaanusson.**

Illaenidae Hawle & Corda discussed p. 149, Bumastinae not recognised as a separate subfamily, **Šnajdr (2).**

Illaenidae see *Koldiniella* **gen. n.**

Illaenidae see *Svobodapeltis*, *Zdicella* and *Zetillaenus* **genn. n.**

Illaeninae Hawle & Corda 1847 discussed p. 92, taken to include *Illaenus*, *Thaleops*, *Panderia*, *Ectillaenus*, *Octillaenus*, *Stenopareia*, *Nanillaenus*, *Zbirovia*, *Cekovia* p. 109, **Jaanusson.**

*Illaenoides* Weller 1907 referred to Bumastinae, *I.* (*Goldillaenus*) considered a subgenus and discussed p. 93, *I.* (*G.?*) *sulcatus* (Lindström) so referred p. 94, **Jaanusson.**

*Illaenopsis* Salter 1867 discussed and referred tentatively to Nileidae but may constitute a new fam. with *Platypeltoides* and *Borthaspidella*, *I. stenorhachis* (Harrington 1938) for *Illaenus s.* H. p. 183 figs. 92 reconstr., 93 (1–4), *I. ?* sp. p. 233, **Harrington & Leanza.**

*Illaenus* Dalman 1827 discussed p. 110 and divided into five groups of spp.—(i) *I. sarsi* group including *I. sarsi* Jaanusson 1954 [with nomenclatorial history, including synonyms *Entomostracites crassicauda* of Wahlenberg 1821 (*non* 1818) *partim* (pl. 7 fig. 6), *I. esmarkii* of Holm 1882 (*non* Schlotheim) *partim* (pl. 6 fig. 8) and some later records of *I. e.*] with measurements p. 114 pl. iv figs. 1–9 text-figs. 2–6 (graphs), 15–18, *I. aduncus* **sp. n.** Sweden (Östergötland) [including inter alia *I. c.* of Burmeister 1843 and Angelin 1854 *partim*, and *I. e.* of Holm 1882 *partim* (pl. 2 figs. 4–10)] p. 123 pl. v figs. 1–8, pl. vi fig. 6 text-figs. 19–20, *I. incisus* **sp. n.** Russia and Sweden [including *E. c.* of W. 1821 (*non* 1818) *partim* (pl. 7 fig. 5) and *I. e.* of H. 1882 *partim* (pl. 2 figs. 1–3) both refigured] p. 129 pl. vi figs. 1–5, pl. vii figs. 1–3 text-fig. 21, *I. herculeus* Gortani 1934 is close to *I. sarsi* and *I. aduncus* p. 128 ; (ii) *I.*

*excellens* group including two subgroups—(A.) *I. excellens* Holm 1886 lectotype selected for *I. oblongatus* forma *e.* H. with synonym *I. oblongatus* Stammform of H. p. 136, *I. oblongatus* (Angelin) lectotype selected p. 138, *I. kuckersianus* H. 1886 for *I. o.* forma *k.* H. with synonym *I. o.* forma *itferensis* H. p. 137, *I. praecurrens* **sp. n.** Norway (Oslo) age unknown p. 132 pl. vii fig. 7, pl. viii figs. 1–5 text-figs. 22–23, *I. wimani* Warburg, *I. wahlenbergi* (Eichwald 1825) [*non* E. 1857 and 1860 both to *I. sinuatus*] lectotype selected with synonyms *I. esmarkii* (Schlotheim 1826) [lectotype selected but lost p. 116, *I. e.* of Gortani 1934 probably a new sp. p. 128] and *I. revaliensis* H. 1886 [excluding record of Poulsen 1936 to new sp. of *excellens* group p. 141] p. 139, *I.* cf. *wahlenbergi* p. 141 pl. vii figs. 4–6, *I. dalmani* Volborth,—(B.) *I. jevensis* H., *I. sphaericus* H., *I. scrobiculatus* H., *I. gigas* H., *I. warburgae* Thorslund; (iii) *I. sulcifrons* group including *I. sulcifrons* H., *I. oculosus* H., *I. chudleighensis* H., *I. plautini* H., *I. planifrons* **sp. n.** [nom. nud. in Jaanusson & Mutvei 1953 and including *I.* aff. *s.* of J. & M. 1953] Sweden (Dalarna) p. 142 pl. ix figs. 3–7, 9–11, pl. x fig. 1, text fig. 24, *I.* aff. *planifrons* p. 145 pl. ix figs. 1–2, 8, *I. atavus* Eichwald, *I. tauricornis* Kutorga, *I. sinuatus* H., *I. schmidti* Nieszkowski; (iv) *I. crassicauda* group for *I. crassicauda* (Wahlenberg), *I. intermedius* Holm, *I. laticlavius* Eichwald, *I. glabriusculus* **sp. n.** for *I.* cf. *esmarki* of Jaanusson & Mutvei 1951 [sic] and *I.* n. sp. J. & M. 1953 [sic] Sweden (Öland) p. 147 pl. x figs. 2–10 text-fig. 25, *I. schroeteri* (Schlotheim); (v) *Parillaenus*-group Jaanusson 1954; *I.* ? n. sp. [may represent a new genus] Sweden (Västergötland) Ordovician (Lower) [for *I.* ? sp. Tjernvik 1956] p. 113 pl. iii figs. 11–12, *I.* sp. indet. for *I. centrotus* of Wiman 1907 pp. 95, 99; *I.* sp. Westergård 1940 referred to *I. sarsi* p. 157, *I.* sp. Poulsen 1936 belongs to *Dysplanus* p. 141 *n*, *I.* cf. *ladogensis* of Bohlin 1949 referred to *Platillaenus* sp. a p. 109, **Jaanusson** Bull. geol. Instn Univ. Upsala **37** 1–2 1957.

*Illaenus* Dalman 1827 emend. Jaanusson classified into *I.* (*Illaenus*) D. and *I.* (*Ectillaenus*) Salter the latter including tentatively *I. zeidleri* & *I. aratus* Barrande 1872 spp. p. 85; "*I.*" *wahlenbergianus*-group of J. 1954 may represent a new subgenus of *Dysplanus* p. 84, "*I.*" *salteri*-group of J. probably a new subgenus of *I.* p. 85, **Přibyl.**

*Illaenus advena* Barrande 1872 referred to *Ectillaenus*, *I. davisii* Salter 1849 possibly to *Cekovia*, *I. holubi* Šnajdr 1956 to *E.*, *I. oblita* B. 1872 to *Stenopareia*, *I. panderi* B. 1852 to *S.*, *I. parabolinus* (Novák 1918) to *E.*, *I. tardus* B. 1852 tentatively to *Bumastus*, *I. wahlenbergianus* B. 1852 type of *Zetillaenus* **gen. n.**, *I. zeidleri* B. 1872 type of *Zdicella* **gen. n.**; *I. laticeps* and *I. attenuatus* Hawle & Corda synonyms of *Stenopareia panderi* (B.), *I. subtriangularis* H. & C. of *Zetillaenus wahlenbergianus* (B.), *I. limbatus* H. & C. and *I. distinctus* B. of *Cekovia salteri* (B.), *I. minutus* H. & C. of *Bumastus bouchardi* (B.); "*I.*" *hospes* B. 1872 lectotype selected p. 246, *I.* sp. pl. ix fig. 10, **Šnajdr (2).**

*Illaenus americanus* Billings p. 1048, **Weiss.**

*Illaenus* cf. *conradi* Billings p. 15 pl. v fig. 6, **Fisher.**

*Illaenus elevatus* **sp. n.** p. 289 pl.cl fig. 7, *I. mienhsiensis* **sp. n.** p. 289 pl. cl figs. 5–6 Ordovician (Middle) China (Shen-si), *I. sinensis* Yabe pl. cl figs. 1–4, *I. feilaishihensis* Sun pl. cxlix fig. 8, *I. holmi* S. fig. 7, *I. asaphoides* Grabau figs. 9–10 p. 289, **Lu** Index Fossils of China, Invertebrate, Part III 1957.

*Illaenus nodosus* **sp. n.** p. 537 (555) pl. iv figs. 1a–c, *I.* cf. *punctulosus* Salter p. 538 (556) pl. iv fig. 2, *I.* sp. p. 539 pl. iv fig. 3 Ordovician (Upper) China (Hu-peh), **Yi** Acta palaeont. sinica **5** 4 1957.

*Illaenus* cf. *panderi* Barr. p. 20, *I.* (*Ectillaenus*) *katzeri* Barr. p. 6, **Röhlich (1).**

*Illaenus salairicus* Weber p. 174 pl. xxii figs. 5a–б, *I. oviformis* Warburg p. 175 pl. xxii figs. 6a–б, **Lomovitskaya.**

*Illaenus schmidti* Nieszk., *I. oblongatus* var. *kuckersiana* Holm p. 107, *I. jevensis* Holm p. 113, *I.* ? sp. n. Öpik [1937] p. 118, **Rõõmusoks.**

*Illaenus stenorhachis* Harrington 1938 referred to *Illaenopsis* p. 183, *I.* sp. listed pp. 249–251, **Harrington & Leanza.**

*Illaenus* sp. A [undescr.] p. 36, *I.* cf. *groenlandicus* Troedsson, *I.* sp. ind. p. 41, **Cowie & Adams.**

*Illaenus* sp. p. 26, **Oxley.**

*Illaenus* sp. p. 40 *ff.*, **Webb.**

*Illaenus* ? sp. p. 400, **Röhlich (2).**

*Inouyia capax* (Walcott) p. 272 pl. cxlii fig. 13, **Lu.**

*Inoyellaspis expectans* Ivshin p. 219, *I. normalis* sp. nov. (I.) p. 222, *I. difformis* (Angelin) var. *chinghizensis* var. nov. (I.) p. 224, **Borukaev.**

*Inoyellaspis fongfongensis* sp. nov. [nom. nud.] p. 30 Cambrian (Middle) China, **Chang.**

*Irvingella convexa*, *I. specioza* spp. nov. (Ivshin) p. 276, **Borukaev.**

*Irvingella taitzuhoensis* [*taitzehoensis* on pl. expl.] **sp. n.** p. 276 pl. cxliii fig. 6 Cambrian (Upper) Manchuria, **Lu** Index Fossils of China, Invertebrate, Part III 1957.

*Irvingella* sp. p. 117, **Drewes & Palmer.**

*Isalaux bifolius* Maksimova [not seen] stated to have only 10 thoracic segments p. 216 pl. fig. 4, **Maksimova (2).**

*Isidrella* Rusconi 1955 excluded from Olenidae pp. 21, 25, **Henningsmoen (1).**

*Isocolus* aff. *sjögreni* Angelin p. 176 pl. xxii figs. 7a–б, **Lomovitskaya.**

*Isoteles* [sic] *gigas* Dekay pl. ii fig. 1, **Vokes.**

*Isoteloides liangshanensis* **sp. n.** p. 279 pl. clii figs. 1–2 Ordovician (Lower) China (Shen-si), **Lu** Index Fossils of China, Invertebrate, Part III 1957.

*Isoteloides* sp. nov. A [undescr.] Ordovician (Lower) Greenland (East), **Cowie & Adams.**

*Isotelus* see *Isoteles.*

*Isotelus gigas* DeKay p. 17, **Fisher.**

*Isotelus gigas* DeKay, *I.* sp. p. 1048, **Weiss.**

*Isotelus gigas* var. *hupeiensis* Sun p. 278 pl. cliv fig. 7, **Lu.**

*Isotelus* ? sp. p. 454 pl. xxxix figs. 16–17, *I.* spp. A & B [undescr.] listed chart opp. p. 458, **Ross.**

*Jangudaspis* **gen. n.** [Ptychopariidae] p. 156 for type *J. princeps* **sp. n.** p. 157 pl. xxviii figs. 9–11, *J. nodus* and *J. anomalis* **spp. n.** p. 158 [unillustr.] Cambrian (Lower) U.S.S.R. (Siberia), **Ogienko** Trud. VSEGEI NS [Pal.] **12** 1956.

*Jemtella* Thorslund 1940 a subjective synonym of *Oedicybele* Whittington 1938 [quod vide] p. 170, **Kielan.**

*Jincella* **gen. n.** [no family assigned, compared with *Solenopleura*] p. 241 for type *S. prantli* Růžička Cambrian (Middle) Bohemia pl. ii figs. 15–16 ; *J. holometopa* (Angelin), *J. conifrons* (Westergård), *J. brachymetopa* (A.), *J. parva* (Linnarsson) so referred, **Šnajdr** Vestn. úst. Úst. geol. **32** 1957.

Jujuyaspidinae Hupé 1953 a synonym of Pelturinae p. 18, **Henningsmoen (1).**

*Jujuyaspis* Kobayashi 1936 discussed and referred to Pelturinae, *J. angusta* **sp. n.** p. 261 pl. xxviii figs. 11–15, *J. keideli k.* K. 1936 p. 262, *J. keideli norvegica* **subsp. n.** for *J.* n. sp. Henningsmoen 1953 and *J. k. borealis* H. 1956 nom. nud. p. 263 pl. xxviii figs. 16–21 Tremadoc Norway, **Henningsmoen** Skr. norske Vidensk-Akad. I Mat.-Nat. Kl. **1957** No. 1.

*Jujuyaspis* Kobayashi 1936 discussed and referred to Pelturinae p. 97, *J. keideli* K. 1936 p. 99 figs. 33 reconstr., 34 (1–7), **Harrington & Leanza.**

*Kainella* Walcott 1924—discussion of several spp. p. 501, *K.* sp. p. 500 pl. xliii figs. 23–24, 27–30, **Ross.**

*Kainella* Walcott 1924 referred to Richardsonellinae, *K. meridionalis* Kobayashi 1935 restr. [*non* pl. 11 fig. 10 to *K. conica*] with synonyms *K. rugosa* Harrington 1938 and *K.*

*billingsi* of K. 1937 p. 126 figs. 50 (1–8), *K. conica* K. 1935 including *K.* sp. H. 1938 p. 127 figs. 52 (1–4); *K. lata* K. 1935 referred to *Pseudokainella* p. 132, *K.* sp. cf. *K. m.* and *K.* sp. listed p. 231*ff.*, **Harrington & Leanza.**

*Kaniniella* **gen. n.** [Asaphiscidae] p. 135 for type *K. alata* (Sivov) [not seen] pl. xiv fig. 14 Cambrian (Upper) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Kanoshia* **gen. n.** [Protopliomeropsinae] p. 811 for type *Pseudomera kanoshensis* Hintze Ordovician (Lower) U.S.A., **Harrington** J. Paleont. **31** 4 1957.

*Kaolishania* — *Pagodia trisulcatus* Endo may belong p. 372, **Kobayashi** (**1**).

*Kaolishania pustulosa* Sun p. 275 pl. cxliii figs. 14–16, **Lu.**

*Kaolishaniella transita* Sun p. 282 pl. cxlvi figs. 4–5, **Lu.**

*Kasachaspis borukaevi* gen. et sp. nov. (Ivshin) p. 276, **Borukaev.**

*Kassinius kassini* Ivshin, *K. pensus* I. p. 219, **Borukaev.**

*Kayseraspis* Harrington 1938 discussed and referred to Ogygiinae, *K. asaphelloides* H. holotype refigured p. 164 figs. 76 reconstr., 77 (1–5), *K. brackebuschi* (Kayser 1898) including *Thysanopyge argentina* of Kobayashi 1937 *partim* p. 167 figs. 78 (1–5), *K.* sp. p. 237 *ff.*, **Harrington & Leanza.**

*Kayseraspis* Harrington 1938 discussed p. 496, *K.* aff. *K. asaphelloides* H. p. 497 pl. xliii figs. 1–4, 6–7 [see also Unidentified hypostomes], **Ross.**

*Kazellina* **gen. n.** [Plethopeltidae] p. 141 for type *K. amsassiensis* (Sivov) [not seen] p. 142 pl. xvi fig. 1, *K. gigantea* **sp. n.** pl. xvi fig. 7, *K. tarta* **sp. n.** pl. xv fig. 16 Cambrian (Upper) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Keidelaspis* Harrington 1937 a synonym of *Angelina* Salter 1859 p. 155, **Henningsmoen (1).**

*Keidelaspis saltensis* Harrington 1937 [type of *K.*] a synonym of *Angelina hyeronimi* (Kayser) p. 99, **Harrington & Leanza.**

*Keidelia* **gen. n.** [Proetidae] for type *K. macrophthalma* **sp. n.** p. 141 figs. 59 (1–2) Ordovician (Middle) Argentina (San Juan), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Kerakephalichas* Phleger 1936 a synonym of *Amphilichas* p. 116, **Tripp** (**1**).

*Kettneraspis* see *Acanthaloma.*

*Kettneraspis* see *Acantholoma.*

*Kettneraspis* see *Leonaspis.*

*Kingaspidoides* Hupé 1952 [recte 1953] considered an independent genus, *K. frankenwaldensis* (Wurm 1925) record of Schmidt 1942 confirmed p. 18 text-fig. 7 (reconstruction), **Sdzuy** (**2**).

*Kingaspis campbelli* [type of *K.*] referred to *Palaeolenus* p. 18, *K.* (*Kingaspidoides*) Hupé 1952 [recte 1953] considered an independent genus, **Sdzuy** (**2**).

*Kingstonia globosa* Sivov [not seen] p. 125 pl. xiv figs. 2a, б, в, 10 *pars*, *K. salairica* **sp. n.** p. 126 pl. xiv figs. 1a–б, *K. paichinensiformis* **sp. n.** for *K.* cf. *paichinensis* of S. 1940 [not seen] p. 126 pl. xiv figs. 3a–б Cambrian (Upper) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Kingstonia* sp. p. 118, **Drewes & Palmer.**

*Kirkella* Kobayashi 1942—pygidia of lineage *fillmorensis* — *accliva* — *yersini* — *vigilans* — *declevita* held to illustrate recapitulation (in ontogeny of *declevita*), *K.* aff. *K. fillmorensis* Hintze p. 493 pl. xlii figs. 5–6, 8–12, *K.* ? sp. [may be immature form of the last] pl. xlii fig. 17, **Ross.**

*Kloučekia phillipsi* (Barr.), *K.* **n.** sp. [undescr.] Ordovician (Upper) Bohemia p. 415, **Röhlich** (**2**).

*Kochaspis eiffelensis* Rasetti thorax described p. 960 pl. cxix figs. 5–8 [see also Undetermined pygidium no. 5], **Rasetti.**

*Kochaspis hsuchuangensis* [*hsüchuangensis* on pl. expl] Lu [not seen] p. 268 pl. cxli figs. 22–23, **Lu.**

*Kochiella* see Alokistocarid ind.

*Kochiella ? maxeyi* Rasetti pygidium tentatively assigned (but may be that referred to *Schistometopus convexus* q. v.) p. 961 pl. cxx figs. 1–3, *K. ? gibbosa* **sp. n.** p. 961 pl. cxxi figs. 1–4 Cambrian (Middle) Canada (B.C.); relations of *K. ? m.* to *Crepicephalus chares* Walcott p. 966, **Rasetti** J. Paleont. **31** 5 1957.

*Kochina* sp. indet. p. 790 pl. iic figs. 11–12, **Shaw (3).**

*Koldinia ? akmolensis, K. ? gemmaformis* spp. nov. (Ivshin) p. 276, **Borukaev.**

*Koldiniella* Lermontova nom. nud. **gen. n.** [Illaenidae] p. 139 for type *K. mitella* Sivov [not seen] pl. xv figs. 7a, б, в, *K. bulba* S. [not seen] pl. xv fig. 8 Cambrian (Upper) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Kolihapeltis* see *Scutellum.*

*Kolpura liches* (Walcott) p. 268 pl. cxliii fig. 4, **Lu.**

*Koněprusia* cf. *subterarmata* (Barr.), *K. ? sperata* (B.) p. 436, **Chlupáč.**

*Kootenia* Walcott 1889 discussed with synonym *Notasaphus* Gregory 1903 p. 37, list of referred spp. p. 41*ff.* including *K. amgensis* Chernysheva MS p. 42, *K. magniformis* Egorova 1955 [not seen], *K. milleri* Ivshin 1953 MS p. 45, *K. ontoensis* C. 1954 MS p. 46, *K. tuberculata* Pokrovskaya MS, *K. typica* Lermontova MS p. 48, *K.* sp. (3) Egorova [not seen], *K. elongata* Rasetti var. *ornata* **var. n.** p. 49 pl. ii figs. 9–13, *K. gaspensis* R. var. *similis* **var. n.** p. 51 pl. ii figs. 14–18, *K. minima* **sp. n.** p. 54 pl. iii fig. 3 Cambrian (Middle) U.S.S.R. (Kazakhstan), **Ivshin** Middle Cambrian Trilobites of Kazakhstan Part II 1957.

*Kootenia abakanica* Poletaeva p. 120 pl. xiii figs. 3a–б, **Egorova et al.**

*Kootenia boucheri* **sp. n.** [nom. nud. 1955] for *K.* sp. A Shaw 1954 Cambrian (Middle) U.S.A. (Vermont) p. 791 pl. iic figs. 1–9, pl. ic fig. 30 *pars*, **Shaw** J. Paleont. **31** 4 1957.

*Kootenia typica* Lermontova MS p. 224, **Borukaev.**

*Kootenia* sp. p. 29, **Cowie & Adams.**

*Kooteniella* Lermontova 1940 discussed p. 55, list of referred spp. p. 56 *ff.* including *K. glabra* Pokrovskaya MS 1955, *K. jakutensis* Chernysheva MS, *K. latini* P. MS, *K. longispina* P., *K. mutabilis* C. MS, *K. sajanica* P. MS p. 57, *K. mutabilis* C. var. *plana* **var. n.** p. 58 pl. iii fig. 2, *K. kzyltassensis* **sp. n.** p. 59 pl. iii fig. 1 Cambrian (Middle) U.S.S.R. (Kazakhstan), **Ivshin** Middle Cambrian Trilobites of Kazakhstan Part II 1957.

*Kooteniella slatkovskii* (Schmidt) p. 121 pl. xii figs. 6a, б, в, pl. xiii fig. 14, **Egorova et al.**

*Kootenielline* **gen. n.** [Dorypygidae] p. 121 for type *K. tubaenia* **sp. n.** p. 122 pl. xiii figs. 2a—б Cambrian (Middle) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Koptura* see *Agyrenella* **gen. n.**

*Kormagnostus* sp. indet. Shaw 1954 referred to *Peronopsis* sp. indet. p. 789, **Shaw (3).**

*Kounamkites* Lermontova MS **gen. n.** [Ptychopariidae] p. 152 for type *K. virgatus* **sp. n.** p. 154 pl. xxix figs. 5–8, *K. frequens* **sp. n.** pl. xxix fig. 1 p. 155, *K. rotundatus* **sp. n.** pl. xxix fig. 2 p. 155, *K. ? tuberculatus* **sp. n.** pl. xxix figs. 3–4 p. 156 Cambrian (Middle) U.S.S.R. (Siberia), **Chernysheva** Trud. VSEGEI NS [Pal.] **12** 1956.

*Labiostra* [sic] Palmer 1954 [recte 1955] may belong to Andrarinidae p. 27, **Henningsmoen (1).**

*Labiostria* Palmer compared with *Nericia* p. 328, **Wilson.**

*Labiostria* sp. p. 114, **Drewes & Palmer.**

*Labradoria* Resser 1936 discussed and referred to Edelsteinaspidae p. 28, *L. angustifrons* **sp. n.** p. 29 pl. i figs. 5, 5a–b Cambrian (Middle) U.S.S.R. (Kazakhstan), **Ivshin** Middle Cambrian Trilobites of Kazakhstan Part II 1957.

*Lauzonella* Rasetti 1944 referred to *Loganellus* group p. 29, **Henningsmoen (1).**

*Lehua vinculum* (Barr.) p. 24, **Röhlich (1).**

*Leiagnostus turgidulus* **sp. n.** p. 76 figs. 21 (1*a–b*), *L. ? perinflatus* **sp. n.** including *Phalacroma iruyensis* of Harrington 1938 *partim* (pl. 4 fig. 12) p. 76 fig. 21 (3) Tremadoc Argentina, *L. ?* sp. p. 247, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Leiobienvillia* Rasetti 1954 referred with query to Oleninae, *L. terranovica* (Rasetti) for *Bienvillia t.* R. p. 160, **Henningsmoen (1).**

*Leiolichas* Schmidt 1885 referred to Lichinae p. 114, **Tripp (1).**

Leiostegiidae see *Chuangiopsis* **gen. n.**

*Leiostegium* Raymond 1913 considered a subgenus of *Lloydia* [quod vide] p. 81, **Harrington & Leanza.**

*Leiostegium* see *Megalaspis ? americana.*

*Leiostegium manitouensis* Walcott p. 489 pl. xliii figs. 18–20, **Ross.**

*Lemontella* ex gr. *glabra* (Lerm.) p. 279, **Borukaev.**

*Leonaspis* Richter (R. & E.) placed on Official List of Generic Names, *L. leonhardi* (Barrande 1846) on Official List of Specific Names, **Opinion 498.**

*Leonaspis* (*Leonaspis*) *laportei* (Hawle & Corda) 1847 p. 69 pl. iii fig. 8 text-figs. 4a–b, **Osmólska.**

*Leonaspis* (*Kettneraspis ?*) *myops* (Reinh. Richter) p. 200, **Alberti.**

*Lepidoproetus* see *Proetus.*

*Leptoplastides* Raw 1908 referred with query to Pelturinae with synonyms *Parabolinopsis* Hoek 1912 and *Andesaspis* Kobayashi 1935 p. 264, *L. marianus* (H. 1912) lectotype selected for *Parabolinopsis m.* H. with synonyms *A. argentinensis* K. restr. [excluding Wilson 1954] and *Protopeltura granulosa* Harrington 1938 p. 266, *L. salteri* (Callaway 1877) [type of *L.*] with synonym *Olenus mitchinsoni* Thomas 1900 p. 267, *L. ? spiniferus* (Lake 1932) for *Beltella s.* L. lectotype selected p. 267, *Parabolinopsis ?* sp. Harrington & Kay 1952 [sic] may belong to *L.* p. 265, **Henningsmoen (1).**

Leptoplastinae Angelin 1854 taken to include *Leptoplastus, Eurycare, Ctenopyge, Sphaerophthalmus* p. 18, **Henningsmoen (1).**

*Leptoplastus* Angelin 1854 discussed p. 161*ff.* and classified into Group of *L. ovatus* A. 1854 lectotype selected including var. *explanata* of Holtedahl 1910 *partim* (pl. 1 figs. 11–12) p. 173 pl. xiii figs. 8–10, *L. paucisegmentatus* Westergård 1922 with synonym *L. minor* W. 1922 p. 174, *L. abnormis* W. 1944 p. 164, tentatively *L. ostrogothicus* W. 1940 p. 172 ; Group of *L. raphidophorus* A. 1854 lectotype selected and figured including *L. ovatus* of H. 1910 p. 175 pl. xiii figs. 1–7, *L. norvegicus* (H. 1910) for *Eurycare angustatum norvegicum* H. 1910 restr. (pl. 1 fig. 1) lectotype selected and figured with synonym *L. longispinus* H. 1910 lectotype selected p. 170 pl. xv figs. 1–10, pl. xvi figs. 1–2, *L. bornholmensis* (Poulsen 1923) for *Ctenopyge neglecta bornholmensis* P. lectotype selected p. 165, *L. intermedius* (W. 1944) for *E. intermedium* W. 1944 restr. [*non* pl. 2 figs. 9–10 to *E. explanatum*] p. 167, *L. neglectus* (W. 1922) for *Ctenopyge neglecta* W. 1922 restr. [*non* pl. 10 fig. 18 to *C. postcurrens*] including *L. bröggeri* of H. 1910 *partim* (pl. 3 figs. 1, 3, ? 11) and *L. raphidophorus* of W. 1922 *partim* (pl. 10 fig. 2) p. 168 pl. xvii figs. 1–7, *L. spinosus* Matthew 1894 p. 177 ; Group of *L. stenotus* A. 1854 p. 177, *L. claudicans* (Moberg & Möller 1898) [may be a synonym of *L. stenotus*] for *Acerocare c.* M. & M. lectotype selected p. 165 pl. xiii figs. 11–13 ; Group of *L. angustatus* (A. 1854) for *Eurycare angustatum* A. [excluding records of Persson 1904 *partim* (pl. 9 figs. 9–10) to *E.* sp.,

and Cobbold 1934 to *Ctenopyge drytonensis*] p. 164 pl. xvi figs. 10–13, *L. crassicorne* W. 1944 for *E. angustatum crassicorne* W. p. 167 pl. xiv figs. 1–8, *L. c.* var. Cambrian (Upper) Norway (Hamar) p. 167 pl. xiv figs. 9–13 ; *L. salteri* (Callaway 1877) referred to *Leptoplastides*, *L. latus* Matthew 1891 to *Westergårdia*, *L. bröggeri* H. 1910 restr. to *Protopeltura*, *L. ovatus explanata* H. 1910 restr. to *Eurycare* p. 162, **Henningsmoen (1).**

*Leptoplastus* (*Leptoplastides*) see *Leptoplastides*.

*Lerma* Poletaeva MS [nom. nud.] Cambrian (Upper) U.S.S.R. (Siberia) referred to Eoacidaspidae **fam. n.** p. 162, **Poletaeva.**

*Levisella* Ulrich 1930 referred to *Loganellus* group p. 29, **Henningsmoen (1).**

*Liaoyangaspis* n. gen. [**gen. nondescr.**] p. 31 for type *Asaphiscus kobayashii* Resser & Endo 1937 (pl. 49 fig. 15) pl. i fig. 3 (3) Cambrian (Middle) China, **Chang.**

Lichacea Hawle & Corda 1847 classified into Lichidae and Lichakephalidae **fam. n.** [quae vide] p. 112, **Tripp (1).**

Lichakephalidae **fam. n.** [Lichacea] p. 118 for *Lichakephalus* Sdzuy 1955, **Tripp** Geol. Mag., Lond. **94** 2 1957.

*Lichakephalus* Sdzuy 1955 referred to Lichakephalidae **fam. n.** p. 118, *L. erbeni* S. structure discussed p. 107 text-figs. 2A–B, **Tripp (1).**

*Lichas* Dalman 1827 with synonym *Autolichas* Reed 1923 discussed and referred to Lichinae p. 113, *Metopolichas* not a synonym, *L. aranea* Holzapfel 1895 (non *L. araneus* Lindström 1885) renamed *Radiolichas araneiformis* p. 118, *L. jukesi* Billings 1865 *partim* (text-fig. 323 right) represents a new Ceratarginid p. 121, **Tripp (1).**

*Lichas kuckersianus* Schm. p. 107, *L. squamulosus* Öpik, *L. wimani* Ö. p. 116, **Rõõmusoks.**

*Lichas rudis* (Barrande 1872) a synonym of *Stenopareia oblita* (B.) p. 166, **Šnajdr (2).**

Lichidae Hawle & Corda 1847 classified into Lichinae, Homolichinae, Tetralichinae, and Ceratarginae **subfam. n.** [quae vide] p. 112, evolution text-fig. 7, **Tripp (1).**

Lichinae Hawle & Corda 1847 discussed and taken to include *Lichas*, *Metopolichas*, *Uralichas*, *Leiolichas*, *Dicranopeltis*, *Arctinurus*, *Gaspelichas*, *Echinolichas*, *Ceratolichas*, *Teratastpis* p. 113 *ff.*, **Tripp (1).**

*Licnocephala* see Protaspis A.

*Linguagnostus* see *Diplagnostus*.

*Lingucephalichas* Phleger 1936 a synonym of *Platylichas* p. 116, **Tripp (1).**

*Lioparia latilimbata* (Dames) p. 269 pl. cxli fig. 7, **Lu.**

*Liostracina krausei* Monke p. 14, **Chang.**

*Liostracina krausei* Monke p. 273 pl. cxliii fig. 5, **Lu.**

*Liostracus steinmanni* Kayser 1876 a synonym of *Angelina hyeronimi* (K.) p. 99, **Harrington & Leanza.**

*Liparges* Gürich 1901 a synonym of *Dicranogmus* p. 117, **Tripp (1).**

*Lisania* — *Pagodia subquadrata* Endo may belong p. 372, **Kobayashi (1).**

*Lisania bura* (Walcott) p. 271 pl. cxli figs. 20–21, **Lu.**

*Litagnostus* sp. p. 15, F. Rasetti *in* **Oxley.**

*Lloydia* (*Leiostegium*) *douglasi* Harrington 1937 holotype refigured p. 81 figs. 24 (3*a–c*), **Harrington & Leanza.**

*Lloydia?* cf. *saffordi* (Billings) p. 489 pl. xliii figs. 11, 17, **Ross.**

*Lobopyge* Přibyl & Erben 1952 discussed and considered a synonym of *Acanthopyge* p. 118, **Tripp (1).**

*Lobopyge branikensis* (Barr.), *L.* (*Nitidulopyge*) *nitidula* (B.) p. 434, **Chlupáč.**

*Loganellus* Devine 1863 referred to *Loganellus* group [? Richardsonellidae] p. 29, **Henningsmoen (1).**

*Loganellus* group [provisionally Richardsonellidae] p. 29 for *Loganellus*, *Levisella* and *Lauzonella*, **Henningsmoen (1).**

*Loganopeltis depressaformis* sp. nov. (Ivshin) p. 280, **Borukaev.**

Lonchocephalidae Hupé may be synonym of Glyptometopidae H. p. 222, **Harrington & Leanza.**

*Lonchodomas rostratus* (Sars) p. 107, **Rõõmusoks.**

*Lonchodomas rostratus* p. 49, G. Henningsmoen *in* **Holtedahl & Dons.**

*Lonchodomas suriensis* **sp. n.** p. 211 figs. 116 (3*a*–*c*), 117 restor. Ordovician (Middle) Argentina (La Rioja), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Lonchodomas yohi* (Sun) p. 293 pl. clii figs. 7–8, pl. clv fig. 4, **Lu.**

*Lopnorites* see *Proceratopyge.*

*Lorenzella parabola* **sp. n.** p. 272 pl. cxlii fig. 14 Cambrian (Upper) N. China and S. Manchuria, **Lu** Index Fossils of China, Invertebrate, Part III 1957.

*Lorenzella ?* p. 29, **Chang.**

*Lotagnostus asiaticus* Troedsson p. 260 pl. cxxxviii figs. 2–3, *L. lermontovai* Lu [not seen] p. 260 pl. cxxxviii figs. 4–5, **Lu.**

*Lotagnostus trisectus* (Salter) var. *memorabilis* var. nov. p. 278, **Borukaev.**

*Loxopeltis* **gen. n.** [affinities unknown] p. 967 for type *L. problematica* **sp. n.** p. 968 pl. cxix figs. 3–4 text-fig. 3 (drawing) Cambrian (Middle) Canada (B.C.), **Rasetti** J. Paleont. **31** 5 1957.

*Luhops* **gen. n.** [no family assigned, compared with *Centropleura*] p. 239 for type *Paradoxides expectans* Barrande 1852 text-fig. 1 (2 figs.) Cambrian (Middle) Bohemia, **Šnajdr** Vestn. úst. Úst. geol. **32** 1957.

*Luia typica* gen. et sp. nov. [nom. nud.] p. 15 (30) pl. i figs. 3 (1–2) Cambrian (Middle) China (Shantung), **Chang.**

*Lusatiops sinensis* Chang 1953 [not seen] type of *Hsuaspis* **gen. nondescr.** table 2, **Chang.**

*Lyralichas* Weber 1948 discussed and referred to Tetralichinae p. 117, **Tripp (1).**

*Machairagnostus* **gen. n.** [Agnostidae (Pseudagnostinae)] p. 63 for type *M. tmetus* **sp. n.** Tremadoc Argentina (Jujuy & Salta) p. 64 figs. 6 reconstruction, 7 (1–5), *Pseudagnostus bilobus* Shaw probably belongs to *M.* p. 63, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Macroterolichas* Phleger 1937 a synonym of *Metopolichas* p. 113, **Tripp (1).**

*Maiaspis* **gen. n.** [Solenopleuridae] p. 160 for type *M. mirabilis* **sp. n.** p. 162 pl. xxxiii figs. 7–11, *M. quadratus* **sp. n.** p. 163 pl. xxxiii figs. 12–13 Cambrian (Middle) U.S.S.R. (Siberia), **Chernysheva** Trud. VSEGEI NS [Pal.] **12** 1956.

*Maja* **gen. n.** [Asaphidae] p. 171 for type *M. subsulcata* **sp. n.** pl. xxi fig. 9, *M. sulcata* **sp. n.** p. 172 pl. xxi fig. 8, *M. venusta* **sp. n.** pl. xxi fig. 11, *M. cylindrica* **sp. n.** pl. xxi figs. 10a–б Tremadoc U.S.S.R. (W. Siberia), **Lomovitskaya** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Makromuktis* Phleger 1936 a synonym of *Dicranopeltis* p. 114, **Tripp (1).**

*Manchuriella typa* Resser & Endo p. 268 pl. cxl figs. 20–23, **Lu.**

*Mansuyia orientalis* Sun p. 282 pl. cxlv fig. 5, **Lu.**

*Mapania striata* Resser & Endo p. 266 pl. cxli figs. 1–4, **Lu.**

*Mapania striata* p. 16, **Chang.**

*Maryvillia wyomingensis* p. 14, **Shaw (5).**

*Maryvillia* sp. p. 118, **Drewes & Palmer.**

*Mataninella* **gen. n.** [Solenopleuridae] p. 118 for type *M. escharoida* **sp. n.** p. 119 pl. xii fig. 12 Cambrian (Upper) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Maustonia* Raasch 1939 may belong to new subfam. of Elviniidae p. 28, **Henningsmoen (1).**

*Meeria* Frederickson 1949 may belong to new subfam. of Elviniidae p. 28, **Henningsmoen (1).**

*Meeria* sp. indet. p. 15, **Shaw (5)**.

*Megalaspidella* Kobayashi 1937 discussed and referred to Ogygiinae p. 161, *M. kayseri* K. 1937 p. 162 figs. 74 reconstr., 75 (1–9); *M. orthometopa* Harrington 1938 type of *Notopeltis* **gen. n.** with synonym *M. pumila* H. 1938 p. 155, **Harrington & Leanza.**

*Megalaspidella* Kobayashi 1937 discussed p. 491, *M.* cf. *M. orthometopa* Harrington p. 492 pl. xlii figs. 15–16, 19–20, **Ross.**

*Megalaspis limbata* p. 47, *M.* cf. *rudis* p. 47, L. Størmer *in* **Holtedahl & Dons.**

*Megalaspis planilimbata* var. *cyclopyge* Harrington p. 490 pl. xliii figs. 5, 12–13 [see also Unidentified hypostomes], **Ross.**

*Megalaspis saltaensis* (Kayser 1898) with synonym *M. longispina* Harrington 1938 p. 161 figs. 73 (2–8), *M. pugiocauda* **sp. n.** Ordovician (Lower) Argentina (Salta) p. 161 fig. 73 (1); *M. planilimbata cyclopyge* H. 1938 restr. a synonym of *Basiliella carinata* H., *M. p. c.* partim (cranidium pl. 10 fig. 11) probably belongs to *Asaphellus* p. 145; *M. ? americana* Hoek discussed and lectotype selected and sp. considered unrecognisable but may belong to *Leiostegium*, record of Kobayashi 1937 [as *Asaphellus* (*Asaphelloides*) *a.*] referred to *A. catamarcensis* K. p. 147 *ff.*, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Megistaspidella* see *Megistaspis.*

*Megistaspis armata* [presumably for *Plesiomegalaspis* (*Ekeraspis*) *armata* Tjernvik] so referred p. 156, *M. estonica* (T.) p. 154, *M.* (*Megistaspidella*) *gigas* (Ang.) p. 142, **Jaanusson.**

*Meisterella meisteri* Ivshin p. 219, *M.* cf. *m.* p. 222, **Borukaev.**

*Mekynophrys* Harrington 1938 referred tentatively to Leptoplastinae p. 119, *M. nanna* H. 1938 holotype refigured p. 120 fig. 44 (3), **Harrington & Leanza.**

*Mekynophrys* Harrington 1938 excluded from Leptoplastinae and may not be an Olenid p. 19, **Henningsmoen (1).**

*Mendolaspis* Rusconi 1951 referred to Raphiophoridae p. 212, *M. salagastensis* R. 1951 with synonym *Asaphus ? salagastensis* R. 1951 [excluding R.s 1952 record of *Orometopus s. partim* (fig. 14)] horizon stated to be Ordovician (Middle) p. 214 figs. 116 (1*a–d*), 118 restor., **Harrington & Leanza.**

*Mendoparabolina* Rusconi 1951 probably not an Olenid pp. 19, 25, **Henningsmoen (1).**

*Menevia venulosa* (Salter) p. 223, **Borukaev.**

*Mephiarges* R. & E. Richter 1930 a synonym of *Acanthopyge* p. 117, **Tripp (1).**

*Mesoctenopyge* **subgen. n.** see *Ctenopyge.*

*Mesonacis* — possibility suggested that *M.* may represent the sexual [? recte asexual] generation of *Olenellus* and *Paedeumias* p. 802, **Lemche.**

*Metagraulos abrota* (Walcott) p. 16 **Chang.**

*Metagraulos nitida* (Walcott) figs. 14–15, *M. abrota* (W.) figs. 16–17 pl. cxl p. 270, **Lu.**

*Metalichas* Reed 1902 a synonym of *Platylichas* p. 116, **Tripp (1).**

*Metanomocarella* gen. nov. [**gen. nondescr.**] for type *Anomocarella tumida* Endo 1943 [recte 1944] *partim* (pl. 2 figs. 11, 14–15) p. 30 pl. i figs. 3 (8–9), **Chang.**

*Metapilekia* Harrington 1938 discussed and referred to Pliomeridae, *M. bilirata* H. 1938 holotype refigured p. 215 figs. 119 (2*a–b*), **Harrington & Leanza.**

*Metashantungia brevica* gen. et sp. nov. [**nondescr.**] for *Shantungia spinifera* Walcott 1913 *partim* (pl. 14 fig. 6e) pp. 29, 31 pl. i fig. 3 (6) (drawing) Cambrian (Upper) China (Shan-tung), **Chang.**

*Metisaspina* **gen. n.** [Asaphiscidae] p. 137 for type *M. anomala* **sp. n.**

p. 138 pl. xv fig. 6 Cambrian (Upper) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Metopolichas* Gürich 1901 [not a synonym of *Lichas*] with synonym *Macroterolichas* Phleger 1937 discussed and referred to Lichinae p. 113, *M. patriarchus* (Wyatt-Edgell) text-figs. 1, 4B (drawings), **Tripp (1)**.

*Metopolichas sinensis* Sun p. 290 pl. cliii figs. 11–13, **Lu.**

*Mexicella stator* (Walcott) 1916 p. 790 pl. ic figs. 25–28, **Shaw (3)**.

*Micmacca anomocaroides* (Schmidt 1942) for *Ellipsocephalus anomocaroides* S. restr. [*non* pl. 24 figs. 26–27] with synonym *E. ansatus* S. p. 16 text-figs. 5–6, **Sdzuy (2)**.

*Micmacca elongata* Lu p. 262 pl. cxxxix fig. 9, **Lu.**

*Micragnostus* see *Geragnostus*.

*Micragnostus* sp. nov. [undescr.] Ordovician (Lower) Greenland (East), **Cowie & Adams.**

*Miraspis* sp. p. 96 (135) pl. ii figs. 1–2, **Tomczykowa.**

*Modocia* sp. p. 114, **Drewes & Palmer.**

*Monorakos* Schmidt 1886 discussed p. 49, *M. planus* **sp. n.** p. 50 pl. i figs. 5–6, *M. planiusculus* **sp. n.** p. 52 pl. i figs. 7–8, *M. viluensis* **sp. n.** p. 53 pl. i figs. 9–10 Ordovician U.S.S.R. (Siberia), **Kramarenko** Materials for the Principles of Palaeontology No. 1 1957.

*Moxomia* Walcott 1924 discussed, type taken as *M. hecuba* W. [not *Crepicephalus angulatus* Hall & Whitfield] which is referred to *Parabolinella* [quod vide] p. 107, **Harrington & Leanza.**

*Moxomia* Walcott 1924 referred with query to Oleninae p. 160, **Henningsmoen (1).**

*Myinda* Stubblefield & Bulman 1927 may belong to Hapalopleuridae **fam. n.** p. 209, **Harrington & Leanza.**

*Myttonia* Whittard 1955 possibly ancestral relation to *Protolloydolithus* discussed p. 273, *M. primitiva* (Born 1921) for *Trinucleus p.* B. lectotype selected and figured p. 267 pl. i figs. 1–5, **Whittard.**

*Namiolenoides* Rusconi 1952 excluded from Olenidae p. 24, **Henningsmoen (1).**

*Nanillaenus* Jaanusson 1954 referred to Illaeninae p. 109, **Jaanusson.**

*Nanillaenus gualcamayensis* **sp. n.** p. 193 figs. 101 (1–3) Ordovician (Middle) Argentina (San Juan), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Nankinolithus* Lu 1956 [**gen. n.**] [Trinucleacea] p. 293 for type *N. nankinensis* **sp. n.** p. 294 pl. clv figs. 11–13 Ordovician (Upper) China (Nanking), **Lu** Index Fossils of China, Invertebrate, Part III 1957.

*Nannopeltis* **gen. n.** [Incertae sedis, compared with *Hysterolenus* but excluded from Ceratopygidae] for type *Hysterolenus modestus* Harrington 1938 holotype refigured p. 227 figs. 124 (3*a–e*) Tremadoc Argentina, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Neoacrocephalites* **gen. n.** [Solenopleuridae] for type *N. togensis* **sp. n.** p. 117 pl. xii fig. 8 Cambrian (Upper) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Neoasaphus* see *Asaphus*.

*Neogriffithides* — distinction from *Pseudophillipsia* discussed p. 200, **Goldring.**

*Neophillipsia* Gheyselinck 1937 tentatively accepted as a synonym of *Ditomopyge* p. 197, **Goldring.**

*Nericia* Westergård 1948 referred to Andrarinidae p. 27, **Henningsmoen (1).**

*Nericia* — *Labiostria* Palmer compared p. 328, **Wilson.**

*Nericiaspis* Tjernvik 1955 discussed and referred to Pelturinae p. 241, **Henningsmoen (1).**

*Nieszkowskia ahti* Öpik, *N. cephaloceras* (Nieszk.) p. 108, *N. capitalis* Ö. p. 116, **Rõõmusoks.**

Nileidae (Angelin 1854)—Parabarrandiinae Hupé 1953 a synonym of Nileinae p. 89, **Přibyl.**

*Nileus armadilloformis* **sp. n.** China (Hu-peh) pl. clii figs. 3–6, *N. transversus* **sp. n.** pl. cli figs. 4–6, *N. symphysuroides* **sp. n.** pl. cli figs. 8–13 China (Shen-si) Ordovician (Middle) p. 282, **Lu** Index Fossils of China, Invertebrate, Part III 1957.

*Nileus cyclurus* Hawle & Corda 1847 a synonym of *Bumastus bouchardi* (Barrande) p. 233, **Šnajdr (2).**

*Ningkianolithus* Lu 1956 [? recte **gen. n.**] [Trinucleacea] p. 293 for type *Cryptolithus welleri* Endo pl. clv figs. 8–10 Ordovician (Lower) China, **Lu** Index Fossils of China, Invertebrate, Part III 1957.

*Niobe asiatica*, *N. sary-arkensis* spp. nov. (Ivshin) p. 280, **Borukaev.**

*Niobe insignis* p. 47, L. Størmer *in* **Holtedahl & Dons.**

*? Niobe* sp. A [undescr.] p. 36, **Cowie & Adams.**

*Niobides* **gen. n.** [Ogygiinae] p. 180 for type *N. armatus* **sp. n.** p. 182 figs. 90 reconstr., 91 (*2a–d*) Ordovician (Lower) Argentina (Salta), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Niobina taurina* **sp. n.** p. 180 figs. 91 (*1a–c*) Tremadoc Argentina (Salta), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Nitidulopyge* Přibyl & Erben 1952 discussed and considered a synonym of *Acanthopyge* p. 118, **Tripp (1).**

*Nitidulopyge* see *Lobopyge.*

*Norinia convexa* Troedsson p. 280 pl. cxlviii fig. 12, **Lu.**

*Notasaphus* Gregory 1903 a synonym of *Kootenia* Walcott 1889 p. 39, **Ivshin.**

*Notopeltis* **gen. n.** [Ogygiinae] p. 153 for type *Megalaspidella orthometopa* Harrington 1938 holotype refigured with synonym *M. pumila* H. 1938 p. 155 figs. 67 reconstr., 68 (1–11), 69 (1–5) Tremadoc Argentina, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Octillaenus* Salter 1867 discussed p. 153, *O. hisingeri* (Barrande 1846) lectotype chosen with probable synonym *Alceste latissima* Hawle & Corda p. 155 pl. vii figs. 1–2 text-figs. 6A, B, **Šnajdr (2).**

*Octillaenus* Salter 1864 [sic] a synonym of *Alceste* [quod vide] p. 84*n*, **Přibyl.**

*Odontochile rugosa* (Hawle & Corda), *O. hausmanni* (Brongn.), *O. cristata* (H. & C.), *O. reussi* (Barr.), *O. spinifera* (B.), *O. maccoyi* (B.), *O. auriculata* (Dalm.), *O. fletcheri* (B.) p. 434, **Chlupáč.**

*Odontopleura ovata* Emmrich 1839 including *Acidaspis hughesi* Lake 1896 *partim* p. 94 (133) pl. ii figs. 3–7 text-figs. 5a–d, resemblance of immature pygidia of *O. ovata* to *Trilobites musca* Barrande p. 96 (134), **Tomczykowa.**

*Odontopleura parvula* Walcott p. 1048, **Weiss.**

*Odontopleura ?* n. sp. p. 438 (465) pl. iii figs. 1–8 Devonian (Middle) Czechoslovakia (Silesia), **Strnad.**

Odontopleuridae see *Belovia* and *Eoacidaspis* **genn. n.**

Odontopleuroidea see Eoacidaspidae **fam. n.**

*Odontopyge* Corda 1847 (*non* Brandt 1841) a synonym of *Parabolina* Salter 1849 p. 113, **Henningsmoen (1).**

*Oedicybele* Whittington 1938 discussed pp. 158, 170 and referred to Staurocephalidae, *Jemtella* Thorslund 1940 a subjective synonym, *O. kingi* W. 1938 from Sweden and Poland p. 171 pl. v, pl. vi figs. 1–4 text-fig. 5 (reconstruction), **Kielan.**

*Ogygia buchii* of Salter see *Ogygiocarella* **gen. n.**

Ogygiinae see *Australopyge*, *Dolerasaphus*, *Notopeltis*, *Ogygiocarella*, *Zuninaspis* **genn. n.**

*Ogyginus ?* sp. p. 494 pl. xlii fig. 7 ; *O. ?* sp. Kobayashi 1937 probably a Bathyurid, **Ross.**

*Ogygiocarella* **gen. n.** [Ogygiinae] for type *Asaphus debuchianus* Brongniart 1822 [=*Ogygia buchii* of

Salter] p. 161, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Ogygiocaris* Angelin 1852 discussed, *O. araiorhachis* **sp. n.** Ordovician (Lower) Argentina (Salta) p. 157 figs. 71 (1–6), 72 (1–3); *O. buchii* (Brongniart) see *Ogygiocarella* **gen. n.** p. 161, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Ogygiocaris dilatata sarsi* p. 48, G. Henningsmoen *in* **Holtedahl & Dons.**

*Ogygitella* **gen. n.** [Asaphinae] for type *O. australis* **sp. n.** probably including *Ogygia corndensis* of Kayser 1876 p. 142 figs. 60 (1–4) Ordovician (Middle) Argentina (La Rioja), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Ogygopsis spinulosa* Rasetti p. 1847, **Stoyanow.**

Olenellid hypostomes [*Olenellus gilberti* or *Paedeumias clarki*] p. 124 pl. xix figs. 7–9, 13, **Palmer.**

Olenellid ind. pp. 26, 29, **Cowie & Adams.**

Olenellid rostrum [*Olenellus gilberti* or *Paedeumias clarki*] p. 126 pl. xix fig. 18, **Palmer.**

Olenellids — suggested asexual budding represented by rudimentary posterior thoracic segments p. 801, **Lemche.**

*Olenellus* — distinction from *Paedeumias* discussed pp. 109, 124, *O. gilberti* Meek ontogeny described from silicified material p. 114 pl. xix figs. 1–3, 6, 11–12, 15–16, 19, text-figs. 6–9, **Palmer.**

*Olenellus* cf. *arcticus* (Hall), *O.* cf. *thompsoni* (H.), *O.* cf. *truemani* Walcott, *O.* sp. p. 26, **Cowie & Adams.**

*Olenellus thompsoni* Walcott pl. i fig. 1 (restoration), **Vokes.**

Olenidae Burmeister 1843 placed on Official List of Family-Group Names p. 327, **Opinion 496.**

Olenidae Burmeister 1843 discussed and classified into Oleninae, Leptoplastinae and Pelturinae [quae vide] p. 17, diagnosis p. 94, **Henningsmoen (1).**

Olenidae see *Prohedinia* Lermontova and *Prohedinella* **gen. n.**

Olenidae gen. et sp. indet. p. 232, **Harrington & Leanza.**

Olenina see Hypermecaspididae **fam. n.**

Oleninae Burmeister 1843 (with synonym Triarthridae Ulrich) taken to include *Olenus*, *Parabolina*, *Parabolinites* **gen. n.**, *Parabolinella*, *Bienvillia*, *Triarthrus*, *Porterfieldia*, *Westergårdites*, *Plicatolina*, *Angelina*, ? *Leiobienvillia*, ? *Moxomia* p. 17, diagnosis p. 96, **Henningsmoen (1).**

*Olenoides* Meek 1877 discussed p. 61, list of referred spp. p. 64 *ff.* including *O. borukaevi* Ivshin 1953 [not seen], *O. canadensis* I. 1953 [for *O. granulatus* of Rasetti 1948 *non* Matthew 1899] p. 65, *O. ? humerosus* (Salter) so referred p. 66, *O. kirghizensis* Lermontova 1939 MS, *O. latispinus* L. 1940 MS, *O. maidanensis* I. 1950 MS p. 67, *O. opinatus* I. 1953 [not seen], *O. rasetti* I. 1953 [for *O. convexus* Rasetti 1948 *non O. c.* Lermontova 1940] p. 68, *O. calvus* Lazarenco MS **sp. n.** for *O. convexus* L. 1940 *partim* (pl. 42 fig. 5a) p. 69 pl. i figs. 6–10, *O. sublongus* **sp. n.** p. 72 pl. ii figs. 5–6, *O. laeviceps* **sp. n.** p. 74 pl. i fig. 13, pl. ii figs. 1–2, *O. mirabilis* **sp. n.** p. 76 pl. ii figs. 7–8, *O. latisimus* **sp. n.** p. 78 pl. i figs. 11–12. *O. angulatifrons* **sp. n.** p. 80 pl. ii figs. 3–4 Cambrian (Middle) U.S.S.R. (Kazakhstan), **Ivshin** Middle Cambrian Trilobites of Kazakhstan Part II 1957.

*Olenoides borukaevi* Ivshin, *O. opinatus* I., *O.* spp. 1 and 2 p. 219, *O.* cf. *asiaticus* Kobayashi p. 224, **Borukaev.**

*Olenoides convexus* Lermontova [of which *O. c.* Rasetti 1948 **a junior** homonym] p. 122 pl. xiii figs. 4a–б, *O. convexus* var. *altaica* **var. n.** (Egorova) p. 123 pl. xiii figs. 6 a–б Cambrian (Middle) U.S.S.R. (W. Siberia), **Sivov & Egorova** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Olenoides obrutchevi* Lermontova type of *Parapoliella* **gen. n.** p. 150, Chernysheva *in* **Kiparisova et al.**

*Olenoides* sp. for *Dorypyge* sp. indet. of Schmidt 1942 and tentatively *D.* cf. *lakei* of S. 1942 [*non* pl. 22 fig. 12] p. 20 text-figs. 10–11, **Sdzuy (2).**

*Olenus* Dalman [1827] placed on Official List of Generic Names, type designated as *Entomostracites gibbosus* Wahlenberg [1821] which is placed on Official List of Specific Names pp. 325–326, **Opinion 496.**

*Olenus* Dalman 1827 discussed p. 96, *O. alpha* **sp. n.** Norway p. 100 pl. ix figs. 1—6, *O. asiaticus* Kobayashi 1944, *O. attenuatus* (Boeck 1838) neotype selected with synonym *O. aculeatus* Angelin 1854 [may be subsp.] p. 102 text-figs. 12 *pars*, 16, *O. cataractes* Salter 1864 p. 104, *O. dentatus* Westergård 1922 lectotype selected p. 104, *O. gibbosus* (Wahlenberg 1821) including *O. truncatus* records of Brögger 1882 & Holtedahl 1910 *partim* (refigured) p. 105 pl. ix fig. 7, *O. micrurus* S. 1849 and *O. mundus* Lake 1908 lectotypes selected p. 107, *O. rotundatus* W. 1922 lectotype selected p. 107, *O. scanicus* and *O. transversus* W. 1922 lectotypes selected p. 108, *O. truncatus* (Brünnich 1781) excluding records of Brögger 1882, Münster 1901, Holtedahl 1910 (all to *O. gibbosus*) p. 109, *O. wahlenbergi* W. 1922 lectotype selected including *O. attenuatus* record of B. 1882 *partim* p. 110, *O. ? bucephalus* (Belt 1868) for *Conocoryphe ? b.* B. lectotype selected including *Beltella verisimilis* record of Lake 1919 *partim* p. 111, *O. ? wilsoni* **sp. n.** for *Parabolinella incerta* of Wilson 1954 U.S.A. (Texas) Cambrian (Upper) p. 111 text-fig. 17 (drawing); *O. ?* sp. W. 1922 referred to *Parabolina ? quadrisulcata* **sp. n.** p. 128, *O. argentinus* Kayser 1867 to *P.* p. 116, *O. ?* sp. Whitehouse 1939 discussed, *O. ?* sp. Kobayashi 1937 and *O. ?* sp. Harrington 1938 to Olenid spp. p. 97, *O. ? tellecheai* and *O. ? obliquoensis* Rusconi excluded from *O.* pp. 24–25; *O. plantii* Salter 1873 a synonym of *Parabolinites ? williamsonii* (Belt) p. 131, *O. pauper* Phillips 1871 possibly of *Ctenopyge bisulcata* (P.) p. 203, *O. sphaenopygus* A. 1854 a synonym of *Sphaerophthalmus humilis* (Phillips) p. 215, *O. mitchinsoni* Thomas 1900 of *Leptoplastides salteri* (Callaway) p. 267; *O.* sp. III Růžička 1931 not an *Olenus* p. 23, **Henningsmoen** Skr. norske VidenskAkad. I Mat.-Nat. Kl. **1957** No. 1.

*Olenus gibbosus* p. 168, **Henningsmoen (2).**

*Olenus ?* sp. of Harrington 1938 referred to *Plicatolina scalpta* **sp. n.** p. 111, **Harrington & Leanza.**

*Omeipsis huangi* (Sun) p. 281 pl. cxlvii fig. 1, **Lu.**

*Onchocephalites* **gen. n.** [Ptychoparioidae, compared with *Onchocephalus* and *Syspacephalus*] for type *O. laevis* **sp. n.** p. 962 pl. cxxi figs. 5–9 text-fig. 2 (3 drawings) Cambrian (Middle) Canada (B.C.), **Rasetti** J. Paleont. **31** 5 1957.

*Onchocephalus* see *Onchocephalites* **gen. n.**

*Onchocephalus maior* Rasetti p. 962 pl. cxx fig. 11 [see also Undetermined pygidium no. 2], *O. skapta* (Walcott) for *Ptychoparia s.* W. p. 963 pl. cxx fig. 9 [see also Undetermined pygidium no. 3], *O.* cf. *O. skapta* pl. cxx fig. 10, *O. depressus* R., *O. fieldensis* R., *O. sublaevis* R. listed p. 957, **Rasetti.**

*Onchocephalus* sp. p. 105, **Palmer.**

*Oncholichas* Schmidt 1885 a synonym of *Arctinurus* p. 114, **Tripp (1).**

*Onchonotus* see *Sphaerocare* **gen. n.**

*Onychopyge* Harrington 1938 not a homonym of *Onycopyge* Woodward 1880, thus *Prionopyge* H. & Leanza 1942 (proposed as replacement name) an objective synonym, *O. riojana* H. 1938 holotype refigured with probable synonym *O. minor* H. 1938 p. 187 figs. 95 reconstr., 96 (2*a–c*), *O. argentina* **sp. n.** p. 189 figs. 96 (1*a–d*), *O. longispina* **sp. n.** fig. 96 (4), *O. plagiacantha* **sp. n.** fig. 96 (3) p. 189 Tremadoc Argentina, *O.* sp. p. 250, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Ordosia fimbricauda* Lu p. 274 pl. cxlii figs. 17–18, **Lu.**

*Orimops* Rafinesque 1832 stated to have precedence over *Flexicalymene* Shirley 1936 p. 13*n*, *O.* ("*F.*") *senaria* (Hall) p. 18 pl. vi fig. 12, **Fisher.**

*Orkekeia* Rusconi 1955 excluded from Olenidae p. 25, **Henningsmoen (1).**

*Orloviella* Lermontova nom. nud. **gen. n.** (Sivov) [Asaphiscidae] p. 136 for type *O. typica* **sp. n.** (Sivov) pl. xv figs.3a–б, *O. conica* S. [not seen] pl. xiv fig. 13, *O. truncata* S. [not seen] pl. xvi fig. 3 Cambrian (Upper), *O. elandiensis* **sp. n.** (Egorova) pl. xii fig. 14 p. 137 Cambrian (? Middle) U.S.S.R. (W. Siberia), **Sivov & Egorova** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Ormathops atavus* (Barr.) p. 6, *O. atavus inflatus* (Želízko) ? for *Dalmania inflata* Ž., *O.* sp. ind. for pygidia resembling *D. formosa* Ž. (which may be a synonym of *D. inflata* p. 26), *O. oriens* (Barr.) p. 24, **Röhlich (1).**

*Orometopus pyrifrons* Harrington 1938 holotype refigured p. 197 figs. 105 (1–7), *O. notatifrons* **sp. n.** p. 198 fig. 105 (8) Tremadoc Argentina, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Orometopus salagastensis* (Rusconi) see *Mendolaspis.*

*Orometopus subpraenuntius* **sp. n.** p. 174 pl. xxii figs. 3a–б Tremadoc U.S.S.R. (W. Siberia), **Poletaeva** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Orriella* sp. indet. p. 792 pl. iic figs. 15–18, *O.* ? sp. indet. for *Corynexochides* sp. indet. Shaw 1954 pl. iic fig. 14, **Shaw (3).**

*Oryctocephalites resseri* Rasetti pygidium described p. 960 pl. cxix figs. 1–2, **Rasetti.**

*Orygmaspis* Resser 1937 may belong to new subfam. of Elviniidae p. 28, **Henningsmoen (1).**

*Orygmaspis* recorded p. 16, **Shaw (5).**

*Otarion barrandei* (H. & C.), *O. b. intermedium* Ptl & Přib., *O. convexum*, *O. cornigerum*, *O.* aff. *c.* (H. & C. spp.), *O. advenum a.* P. & P., *O.* sp. p. 436, **Chlupáč.**

*Otarion planifrons* (Eichw.) p. 108, *O.* sp. a Öpik p. 124, **Rõõmusoks.**

*Otarion* (*Otarion*) *polonicum praecedens* Kielan 1954 p. 67 pl. iii fig. 5, *O.* (*O.*) *convexum* (Hawle & Corda) 1847 p. 67 pl. iii fig. 4 text-figs. 3a–b, **Osmólska.**

*Otarion tiaomachienensis* Sun p. 287 pl. cliii figs. 1–2, **Lu.**

*Otarion wilsoni* [sic] Sinclair excluded from *O.* p. 141, **Harrington & Leanza.**

*Paedeumias* — distinction from *Olenellus* discussed pp. 109, 124, *P. clarki* Resser growth-stages p. 120 pl. xix figs. 4–5, 10, 14, 17, 20, text-fig. 5 (histogram), **Palmer.**

*Paedeumias yorkensis* Resser & Howell growth-stages p. 431 text-figs. 2 (A–C), **Whittington (2).**

*Paenebeltella* Ross 1951 discussed and referred with query to Pelturinae p. 270, **Henningsmoen (1).**

*Pagetia ferox* Lermontova p. 104 pl. xi figs. 3a–б, *P. schoriensis* **sp. n.** (Poletaeva) Cambrian (Middle) p. 104 pl. xi figs. 2a. б, в, *P. ornatiformis* **sp. n.** (Sivov) Cambrian (Lower) p. 105 pl. xii fig. 13 U.S.S.R. (W. Siberia), **Poletaeva & Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Pagetia* sp. p. 112, **Drewes & Palmer.**

*Pagetina katunica* **sp. n.** p. 105 pl. xi fig. 7 Cambrian (Lower) U.S.S.R. (W. Siberia), **Poletaeva** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Pagodia* Walcott discussed p. 371, spp. of Endo 1937 and 1944 discussed and mostly excluded [*circularis* and *c. convexa* to unnamed genus, *laohuensis* and *perquadrata* to ? *Chuangia*, *subquadrata* to ? *Lisania*, *trisulcatus* to ? *Kaolishania*], *P. paraquadrata* E. probably a synonym of *P. richthofeni*, *P. hemispherica* Resser & E. may belong to *Chuangia* p. 372, *P. thaiensis* **sp. n.** Cambrian (Upper) Thailand p. 372 pl. iv figs. 5–7, **Kobayashi** J. Fac. Sci. Tokyo Univ. [2] **10** 3 1957.

*Pagodia lotos* Walcott p. 274 pl. cxlii figs. 15—16, **Lu.**

*Palaeolenus—Kingaspis campbelli* (type of *K.*) referred p. 18, **Sdzuy (2).**

*Palaeolenus douvillei* Mansuy fig. 4, *P. lantenoisi* M. figs. 5–6, *P. deprati* M. fig. 7 pl. cxxxix p. 263, **Lu.**

*Panarchaeogonus* Öpik 1937 excluded from Olenidae p. 21, **Henningsmoen (1).**

*Panarchaeogonus parvus* Öpik p. 116, **Rõõmusoks.**

*Panderia* Volborth 1863 referred to Illaeninae p. 109, *P.* n. sp. [undescr.] p. 157, *P.* cf. *triquetra* V. p. 158, **Jaanusson.**

Papyriaspididae a separate family, not a subfamily of Olenidae p. 123, **Harrington & Leanza.**

*Papyriaspis* Whitehouse 1939 excluded from Olenidae p. 21, **Henningsmoen (1).**

*Papyriaspis senkovi* Polet., *P. lata* P. n. spp. p. 183, **Borukaev.**

*Paraacidaspis* Poletaeva MS [nom. nud.] Cambrian (Upper) U.S.S.R. (Siberia) referred to Eoacidaspidae **fam. n.** p. 162, **Poletaeva.**

*Parabailiella* Thoral 1946 considered a subgenus of *Conocoryphe* [quod vide] p. 23, **Sdzuy (2).**

*Parabarrandia* Prantl & Přibyl 1948 [sic] accepted as a full genus and referred to Nileidae p. 89, **Přibyl.**

Parabarrandiinae Hupé 1953 separation from Nileinae considered not justified p. 89, **Přibyl.**

*Parabasilicus ?* sp. aff. *P. typicalis* Kobayashi 1937 p. 146 figs. 63 (1–2), **Harrington & Leanza.**

*Parabolina* Salter 1849 placed on Official List of Generic Names, *P. spinulosa* (Wahlenberg) on Official List of Specific Names p. 326, **Opinion 496.**

*Parabolina* Salter 1849 referred to Oleninae and discussed p. 112 *ff.*, *Odontopyge* Corda 1847 (*non* Brandt 1841) a synonym, *P. acanthura* (Angelin 1854) excluding record of Brögger 1882 (to *Protopeltura praecursor*) p. 116 pl. x figs. 1–6, *P. argentina* (Kayser 1876) with synonym *Parabolinella andina* Hoek 1912 [fide H. J. Harrington] p. 116, *P. brevispina* Westergård 1922 lectotype selected p. 117, *P. dawsoni* Matthew 1901, *P. frequens* (Barrande 1868), *P. heres heres* B. 1882 lectotype selected p. 119, *P. heres lata* M. 1892 lectotype selected with probable synonyms *P. h. grandis* M. and *P. h. hexacantha* W. 1943 p. 120, *P. jemtlandica* W. 1922 lectotype selected, *P. kinnekullensis* **sp. n.** Sweden (Västergotland) p. 121 pl. ix fig. 12, *P. lapponica* W. 1947, *P. lobata lobata* (B. 1882) lectotype selected and figured with synonym *P. longicornis* W. 1922 p. 122 pl. ix figs. 9–11, text-fig. 13, *P. lobata praecurrens* W. 1944 p. 123, *P. megalops* Moberg & Möller 1898 [restr. W.], *P. mobergi* W. 1922 lectotype selected p. 125, *P. spinulosa* (Wahlenberg 1821) with synonyms *P. serratus* (Salter 1864) and *P. sexdentata* B. 1884 p. 126 text-fig. 12 *pars*, *P. tetracanthura* (M. 1892) for *Protopeltura acanthura t.* M. lectotype selected p. 128, *P. ? quadrisulcata* **sp. n.** Sweden (Jämtland) Cambrian (Upper) for *Olenus ?* sp. W. 1922 refigured p. 128 pl. ix fig. 8 ; *P. ? incerta* Rasetti referred to *Parabolinella ?*, *P. ? australis* and *P. ? asperoensis* Rusconi excluded, *Conocephalites contiguus* M. 1892 may be a *P.* sp. p. 114, *P. megalops* M. & M. 1898 *partim* (pl. 13 fig. 9) referred to *Peltura scarabaeoides westergårdi* **subsp. n.** p. 239, **Henningsmoen** Skr. norske VidenskAkad. I Mat.-Nat. Kl. **1957** No. 1.

*Parabolina* (*Namiolenoides*) see *Namiolenoides.*

*Parabolina argentina* (Kayser 1876) lectotypes selected and figured with synonym *Parabolinella andina* Hoek p. 81 figs. 25 (1–5), 26 (1–17), *P. pheidolopyge* Harrington 1938 p. 85 fig. 27 (3), *P. kobayashii* **sp. n.** Tremadoc Argentina (Salta) p. 85 figs. 27 (1*a–c*) ; *P. p.* of H. & Leanza 1943 referred to *Plicatolina scalpta* **sp. n.** p. 111, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Parabolinella* Brögger 1882 discussed p. 132, *P. argentinensis* Kobayashi 1936 lectotype selected p. 134, *P. lata* **sp. n.** Tremadoc

Norway p. 135 pl. xii fig. 8, *P. limitis* Brögger 1882 restr. [*non* pl. 3 fig. 4 to *Bienvillia tetragonalis broeggeri*] p. 135 pl. xii figs. 1–5 lectotype refigured, *P. rugosa* (B. 1882) p. 137 pl. xii fig. 9, *P. triarthra* (Callaway 1877) with synonym *P. quadrata* Matthew 1902 p. 138 pl. xii figs. 6–7, *P. triarthroides* Harrington 1938 p. 139, *P. ? caesa* Lake 1913 p. 140, *P. ? incerta* Rasetti 1945 [excluding record of Wilson 1954 to *Olenus ? wilsoni*], *P. ? posthuma* M. 1892, *P. ? punctolineata* K. 1936, *P. ? simplex* (Salter 1866) for *Conocoryphe ? s.* Salter p. 141 ; *P. laticauda* Westergård 1922 type of *Parabolinites* **gen. n.** p. 129 to which is also referred *P. leptoplastorum* W. 1947, *P. andina* Hoek a synonym of *Parabolina argentina* (Kayser) p. 116, *P. tetragonalis* Harrington 1938 referred to *Bienvillia* p. 144, *P. wimani* W. 1917 tentatively to *B.* p. 146, *P. ? bisulcata* Kobayashi 1955 discussed and so referred p. 272, *P. ? evansi* K. 1936 referred tentatively to *Aphelaspis* but probably belongs to new genus p. 23, *P. occidentalis* Wilson 1951 referred tentatively to *Parabolinoides* p. 24, *P. ? pentacantha* Rusconi 1955 not an Olenid p. 25, **Henningsmoen** Skr. norske VidenskAkad. I Mat.-Nat. Kl. **1957** No. 1.

*Parabolinella* see *Hypermekaspis* nom. nud.

*Parabolinella argentinensis* Kobayashi 1936 p. 103 figs. 37 (1–11), 38 (1–8), *P. triarthroides* Harrington 1938 holotype refigured p. 105 figs. 39 (1*a–b*), *P. hecuba* (Walcott) for *Moxomia h.* W. [type of *M.*] holotype refigured [including probably *P. t.* of Shaw 1951 *partim* (non fig. 10 to *Plicatolina kindlei*) and *P.* cf. *P. t.* of Wilson 1954] p. 107 figs. 39 (2*a–e*), *P. coelatifrons* **sp. n.** Tremadoc Argentina (Salta) p. 109 figs. 39 (3*a–h*), 40 reconstr., *P.* sp. p. 231 *ff.*; *P. laticauda* Westergård 1922 may belong to *Parabolina* p. 111, *P. tetragonalis* Harrington 1938 referred to *Triarthrus* and taken tentatively to include *P. limitis* Brøgger 1882 *partim* (pl. 3 fig. 4) and of Størmer 1920 p. 113, *P. rugosa* B. 1882 and var. Lake 1913 referred to *Hypermecaspis* **gen. n.** p. 123, *P. andina* Hoek a synonym of *Parabolina argentina* (Kayser) [quod vide] p. 83, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Parabolinella argentinensis* Kobayashi from W. Siberia p. 167 pl. xxi fig. 7, **Lomovitskaya.**

*Parabolinella evansi* from Vermont p. 331, M. Gilman *in* **Wilson.**

*Parabolinella* ex gr. *kirghizica* Ivshin MS, *P. mediasiatica* sp. nov. p. 278, **Borukaev.**

*Parabolinites* **gen. n.** [Oleninae] p. 129 for type *Parabolinella laticauda* Westergård 1922 lectotype selected, *P. ? leptoplastorum* (W.) for *Parabolinella l.* W. 1947 p. 131, *P. ? longispinus* (Belt) for *Conocoryphe ? l.* B. 1868 lectotype selected p. 131, *P. ? williamsonii* (B.) for *C. ? w.* B. 1868 with synonym *Olenus plantii* Salter p. 131, **Henningsmoen** Skr. norske VidenskAkad. I Mat.-Nat. Kl. **1957** No. 1.

*Parabolinoides* Frederickson 1949 excluded from Olenidae and may belong to new subfam. of Elviniidae p. 22, *P. ? occidentalis* for *Parabolinella o.* Wilson 1951 p. 24, **Henningsmoen (1).**

*Parabolinoides* recorded p. 16, **Shaw (5).**

*Parabolinopsis* Hoek 1912 referred to Pelturinae, *P. mariana* H. 1912 with synonyms *Andesaspis argentinensis* Kobayashi 1935 restr. and *Protopeltura granulosa* Harrington 1938 and *Beltella ulrichi* of H. 1938 *partim* p. 89 figs. 29 reconstr., 30 (1–10), *P. ?* sp. p. 238, **Harrington & Leanza.**

*Parabolinopsis* Hoek 1912 a synonym of *Leptoplastides* Raw 1908 [quod vide] p. 265, **Henningsmoen (1).**

Paradoxiden Emmrich 1844 stated to have no nomenclatorial status and placed on Official Index, **Opinion 496.**

*Paradoxides* Brongniart 1822 placed on Official List of Generic Names p. 325, *P. paradoxissimus* (Wahlenberg) on Official List of Specific Names p. 326, *P. tessini* Brongniart 1822 on Official Index p. 327, **Opinion 496.**

*Paradoxides gracilis* (Boeck) recorded p. 240 ; *P. desideratus* (Barrande 1846) type of *Vinicella* **gen. n.** p. 237, *P. pusillus* B. 1846 type of *Eccaparadoxides* **gen. n.** [to which are also referred *P. oelandicus* Sjögren, *P. harknessi* Hicks, *P. mediterraneus* Pompeckj] p. 238, *P. sacheri* B. 1852 type of *Acadoparadoxides* **gen. n.** [to which is also referred *P. intermedius* Cobbold] p. 238, *P. expectans* B. 1852 type of *Luhops* **gen. n.** p. 239, **Šnajdr (1).**

*Paradoxides paradoxissimus* p. 46, L. Størmer *in* **Holtedahl & Dons.**

*Paradoxides* cf. *pinus* Westergård 1936 record of Schmidt 1942 confirmed and including *P. saturnoides* of S., *P.* aff. *rugulosus* Corda 1847 for *P. r.* of S. p. 11 text-fig. 1 (line drawing), **Sdzuy (2).**

*Paradoxides rugulosus* Corda 1847 for *P.* sp. ind. of Raymond 1914 redescription of R.'s developmental stages p. 937 pl. cxv figs. 8–9, **Whittington (1).**

*Paradoxides suboelandicus* **sp. n.** p. 111 pl. xi figs. 8a, б, в Cambrian (Middle) U.S.S.R. (W. Siberia), **Poletaeva** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

Paradoxididae Corda 1847 placed on Official List of Family-Group Names p. 327, **Opinion 496.**

Paradoxididae see *Schagonaria* **gen. n.**

Paradoxididae see *Schistocephalus* **gen. n.**

*Paragraulos kunmingensis* Lu p. 270 pl. cxl fig. 13, **Lu.**

*Parahomalonotus* Reed 1918 referred to Homalonotinae p. 279, derivation discussed, *P. laevicauda* Quenstedt shows similarities to *Trimerus* (*Dipleura*) p. 286, **Sdzuy (4).**

*Parakainella* Kobayashi 1953 a synonym of *Pseudokainella* Harrington 1938 to which its type *Kainella lata* K. 1935 is referred p. 133, **Harrington & Leanza.**

*Paralejurus* see *Scutellum.*

*Paraolenoides medoevi, P. kassini, P. vodorezovi* Ivshin spp. p. 219, **Borukaev.**

*Paraorlovia* **gen. n.** [Asaphiscidae] p. 158 for type *P. sequens* **sp. n.** p. 159 pl. xxxii figs. 1–3, *P. prima* **sp. n.** p. 160 pl. xxxii fig. 4 Cambrian (Middle) U.S.S.R. (Siberia), **Chernysheva** Trud. VSEGEI NS [Pal.] **12** 1956.

*Parapoliella* **gen. n.** [Dolichometopidae] p. 150 for type *Olenoides obrutchevi* Lermontova 1925 pl. xxxii figs. 7–9, *P. lata* (N. Chern.) [not seen], *P. sulcata* sp. nov. [**sp. nondescr.**] p. 152 pl. xxxii figs. 11–12 Cambrian (Lower) U.S.S.R. (Siberia), **Chernysheva** Trud. VSEGEI NS [Pal.] **12** 1956.

*Parapoulsenia* **gen. n.** [Ptychoparioidae, compared with *Poulsenia*] p. 963 for type *P. lata* **sp. n.** p. 964 pl. cxx figs. 4–7 text-fig. 1 [see also Undetermined pygidium no. 2], *P.* sp. cf. *P. lata* pl. cxx fig. 8 Cambrian (Middle) Canada (B.C.), **Rasetti J.** Paleont. **31** 5 1957.

*Parasolenopleura* **gen. n.** [Solenopleuridae] p. 114 for type *P. subconsocialis* **sp. n.** p. 114 pl. xii fig. 11, *P. schoriensis* **sp. n.** p. 115 pl. xii fig. 10 Cambrian (Middle) U.S.S.R. (W. Siberia), **Poletaeva** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Pardailhania tenera* (Hartt 1868) record of Schmidt 1942 [as *Andrarina t.*] confirmed p. 25, *P.* sp. for *A. quadrata* of S. p. 26 text-fig. 14, **Sdzuy (2).**

*Parkaspis* sp. p. 112, **Drewes & Palmer.**

*Peichiashania* n. gen. [**gen. nondescr.**] p. 31 for type *Eymekops rectangularis* Resser & Endo 1937 (pl. 68 fig. 21) p. 31, **Chang.**

*Peishania lubrica* sp. nov. [nom. nud.] p. 15 (29) pl. i fig. 2 (2 figs.) Cambrian (Middle) China (Shantung), **Chang.**

? *Peltabellia* sp. p. 36, **Cowie & Adams.**

*Peltocare* **gen. n.** [Olenidae (Pelturinae)] p. 246 for type *Acerocare norvegicum* Moberg & Möller 1898 lectotype selected with possible synonym *Cyclognathus glaber* Harrington 1938 p. 247 pl. xxvii figs. 6, 8, 10–14

Tremadoc Norway and Sweden, *P. olenoides* (Salter 1866) for *Conocoryphe ? o.* S., *P. rotundifrons* (Matthew 1893) for *Cyclognathus r.* M. p. 249, **Henningsmoen** Skr. norske Vidensk-Akad. I Mat.-Nat. Kl. **1957** No. 1.

*Peltura* Milne Edwards 1840 discussed with synonym *Anthes* Goldfuss 1843 p. 231, *P. acutidens* Brögger 1882 lectotype selected and figured p. 233 pl. xxv figs. 1, 3, 4, 7, 9, 11, *P. costata* (B. 1882) lectotype selected and figured p. 234 pl. xxvii figs. 1–5, 7, 9, *P. minor* (B. 1882) lectotype selected and figured p. 235 pl. xxv figs. 2, 5, *P. paradoxa* (Moberg & Möller 1898) lectotype selected p. 236 pl. xxvi figs. 3–6, *P. scarabaeoides scarabaeoides* (Wahlenberg 1821) with synonyms var. *octacantha* Linnarsson 1880 and *Conocephalus malvernius* Phillips 1871 p. 237 pl. xxv figs. 6, 13–14, pl. xxvi figs. 1–2, text-fig. 5, *P. scarabaeoides westergårdi* **subsp. n.** Cambrian (Upper) Norway and Sweden for *P. s.* of Westergård 1944 and *Parabolina megalops* of M. & M. 1898 *partim* (pl. 13 fig. 9) p. 239 pl. xxv figs. 8, 10, 12, 15–17, *P. transiens* (B. 1882) lectotype selected and figured with synonym *P. cornigera* W. 1909 p. 240 pl. xxvi figs. 7–13 ; *P. bidentata* and *P. planicauda* B. 1882 referred to *Protopeltura, P. punctata* Crosfield & Skeat 1896 to *Triarthrus, P. ?* sp. indet. Harrington 1937 probably a *Parabolinella, P. inflata* and *P. ?* sp. Bornemann 1891 excluded p. 232, *P. ? jarillana* Rusconi 1953 discussed p. 25, *P.* (*paradoxa ?*) of W. 1944 referred to *Pelturina punctifera* **gen. et sp. n.** p. 250, *P. pacifica* Kobayashi 1955 referred to *Triarthrus, P. canadensis* K. 1955 tentatively to *Bienvillia* p. 273, *P. praecursor* of Holtedahl 1910 *partim* to *Protopeltura holtedahli* **sp. n.** p. 227, **Henningsmoen** Skr. norske VidenskAkad. I Mat.-Nat. Kl. **1957** No. 1.

*Peltura asiatica* sp. nov. p. 278, **Borukaev.**

*Peltura scarabaeoides* p. 47, L. Størmer *in* **Holtedahl & Dons.**

*Peltura ?* sp. Harrington 1938 referred to *Triarthrus rectifrons* H. p. 115, **Harrington & Leanza.**

*Pelturina* **gen. n.** [Olenidae (Pelturinae)] p. 249 for type *P. punctifera* **sp. n.** including *Peltura* (*paradoxa ?*) of Westergård 1944 p. 250 pl. xxviii figs. 1–4 Cambrian (Upper) Norway and Sweden, **Henningsmoen** Skr. norske VidenskAkad. I Mat.-Nat. Kl. **1957** No. 1.

Pelturinae Corda 1847 [so accredited, rather than to Harrington & Leanza 1952] with synonym Jujuyaspidinae Hupé taken to include *Protopeltura, Peltura, Pelturina* **gen. n.**, *Acerocarina, Acerocare, Nericiaspis, Saltaspis, Peltocare* **gen. n.**, *Westergårdia, Boeckaspis, Sphaerophthalmella, Jujuyaspis, ? Leptoplastides, ? Beltella, ? Paenebeltella* p. 18, **Henningsmoen (1).**

*Perneraspis conifrons* (Pompeckj) listed p. 240, **Šnajdr (1).**

*Peronopsis fallax* var. *sinopsis* Ivshin p. 218, *P.* cf. *f.* var. *minor* (Brögger) p. 224, **Borukaev.**

*Peronopsis* ex gr. *P. fallax* Linnarsson p. 103 pl. xi figs. 1a, б, в, **Egorova et al.**

*Peronopsis integra* (Beyrich) pl. i fig. 5, *P. cuneifer* (Barrande) listed p. 240, **Šnajdr (1).**

*Peronopsis* cf. *lobatus* of Schmidt 1942 referred to *Hypagnostus* cf. *truncatus* p. 9, **Sdzuy (2).**

*Peronopsis rakuroensis* (Kobayashi) p. 258 pl. cxxxvii fig. 3, *P. taitzuhoensis* [*taitzehoensis* on pl. expl.] **sp. n.** Cambrian (Middle) Manchuria p. 258 pl. cxxxvii figs. 4–5, **Lu** Index Fossils of China, Invertebrate, Part III 1957.

*Peronopsis* recorded p. 11, F. Rasetti *in* **Oxley.**

*Peronopsis* sp. p. 112*ff.*, **Drewes & Palmer.**

*Peronopsis* sp. indet. including *Kormagnostus* sp. indet. Shaw 1954 p. 789 pl. ic figs. 19–21, **Shaw (3).**

*Peronopsis* sp. *?* p. 222, **Woodward.**

*Pesaia* Walcott & Resser discussed, *P. avia* **sp. n.** p. 134 pl. xiv fig. 11 Cambrian (Upper) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

Phacopacea indet. p. 133, **Röder.**

*Phacopidella* (*Denckmannites*) *thuringica* Kegel p. 200; *P.* (*D.*) *thuringica* record of Erben 1950 considered an error for *P.* (*D.*) *micromma* (Roemer) p. 201, **Alberti.**

Phacopoid see Protaspis B.

*Phacops cephalotes*, *P. sternbergi*, *P.* aff. *s.*, *P. boecki*, *P.* cf. *b.* Hawle & Corda spp., *P. bronni* Barr., *P. fecundus degener* B., *P. fecundus* n. var. [undescr.], *P. modestus*, *P.* cf. *m.*, *P.* cf. *breviceps* B. spp. p. 434, *P. fecundus major* B. p. 406, **Chlupáč.**

*Phacops cristata* Hall p. 87 pl. vi fig. 8, *P. rana* (Green) pl. vi fig. 7, **Vokes.**

*Phacops* cf. *dagon* Reed see *Dalmanites.*

*Phacops* sp. [(*latifrons ?*) on pl. expl.] p. 163 pl. x fig. 17, **Firtion.**

*Phacops* (*Phacops*) *latifrons grzegorzowicensis* Kielan 1954 p. 73 pl. iii figs. 1–2, **Osmólska.**

*Phacops* (*Phacops*) *roemeri* Geinitz, *P.* (*P.*) cf. *pyrifrons* Reinh. Richter, *P.* (*P.*) spp. A & B [undescr., of *P.* (*P.*) *fecundus* group] Devonian (Lower/Middle) Germany (Thuringia), *P.* (*Eocryphops*) *cyclophthalmus* (Walther), *P.* (*Plagiolaria*) *plagiophthalmus* (R. R.) p. 200, **Alberti.**

*Phacops subcristata* Khalfin [not seen] p. 273 pl. lxv figs. 4–5 Devonian (Lower) U.S.S.R. (W. Siberia), *P. altaicus* Chern. p. 274 pl. lxiv figs. 6a, б, в, **Khalfin.**

*Phacops* sp. p. 103 (138) pl. iv figs. 4–5 text-fig. 9, **Tomczykowa.**

*Phaetonellus planicaudus* Barr. p. 409, **Chlupáč.**

*Phalacroma barlowii inaequalis* Schmidt 1942 see *Ciceragnostus inaequalis.*

*Phalacroma bexellei* (Troedsson) p. 259 pl. cxxxviii figs. 6–7, **Lu.**

*Phalacroma bibulatum* (Barrande) listed p. 240, **Šnajdr (1).**

*Phalacroma iruyensis* of Harrington 1938 *partim* (pl. 4 fig. 12) referred to *Leiagnostus ? perinflatus* **sp. n.** p. 76, **Harrington & Leanza.**

*Phalacroma* sp. from Nevada p. 114, **Drewes & Palmer.**

*Phalacrome* [sic] cf. *glandiforme* (Angelin) p. 224, **Borukaev.**

*Phalagnostus prantli* **sp. n.** p. 236 pl. i fig. 8, *P. nudus* (Beyrich) pl. i fig. 7 Cambrian (Middle) Bohemia, **Šnajdr** Vestn. úst. Úst. geol. **32** 1957.

*Pharostoma nieszkowskii* (Schm.) p. 126, **Rõõmusoks.**

*Pharostoma pulchrum* (Barr.) p. 24, **Röhlich (1).**

*Pharostoma pulchrum* (Barr.) p. 415, **Röhlich (2).**

*Pharostoma pulchrum* for hypostome ascribed to *Placoparia grandis* by Barrande 1872 pl. 8 fig. 49, *P. pulchrum vokovicense* Šnajdr for that ascribed to *P. zippei* by B. 1872 pl. 8 fig. 40 p. 520, **Prantl & Šnajdr.**

Pharostomidae Hupé 1953 a synonym of Calymenidae p. 92, **Přibyl.**

*Pharostomina* Sdzuy 1955—*Colpocoryphoides* **gen. n.** a synonym p. 276, **Harrington & Leanza.**

*Phillipsella* Oehlert 1886 suppressed p. 333, placed on Official Index p. 334, **Opinion 476.**

*Phillipsia colei* McCoy, *P.* cf. *gemmulifera* (Phillips) p. 174, **George & Oswald.**

*Phillipsia maccoyi* Portlock 1843 accepted as type of *Brachymetopus* (*Brachymetopus*), *P. ouralica* de Verneuil 1845 as type of *B.* (*Brachymetopina*), **Goldring & Stubblefield.**

*Phillipsia* cf. *quadrilimba* Phillips p. 35, **Rowell & Scanlon.**

Phillipsiinae Oehlert 1886—Griffithidedinae, Ditomopyginae and probably Anisopyginae Hupé 1953 considered synonyms p. 91, **Přibyl.**

*Phillipsinella* Novák 1886 validated and placed on Official List of Generic Names, *P. parabola* (Barrande 1846) on Official List of Specific Names p. 333, **Opinion 476.**

Phillipsinellidae Whittington 1950 placed on Official List of Family-Group Names p. 334, **Opinion 476.**

*Phyllaspis raniceps* Reinh. Richter p. 200, **Alberti.**

*Pianaspis* Saito & Sakakura 1936 excluded from Olenidae p. 22, **Henningsmoen (1).**

*Pilekia trapezoidalis* Harrington 1938 type of *Colpocoryphoides* **gen. n.** p. 222, **Harrington & Leanza.**

*Piriproetus* see *Proetus.*

*Placoparia* Hawle & Corda 1847 discussed with diagnosis p. 498 (513), *P.* (*P.*) *zippei* (Boeck 1827) nov. emend. holotype refigured with synonym *P. z. tumida* Klouček p. 505 (518) pl. ii figs. 8–15, *P.* (*P.*) *barrandei* **sp. n.** for *P. zippei* of Barrande 1852 *partim* (pl. 29 fig. 32 refigured) including all references of *P. zippei* from Šárka Beds $d\gamma_1$ p. 500 (514) pl. i figs. 1–5, *P.* (*P.*) *cambriensis* Hicks and *P.* (*P.*) *tourneminei* (Rouault) [may be a geographical var. of *P. zippei*] so referred, *Placoparia* (*Hawleia*) **subgen. n.** p. 507 (519) for type *P.* (*H.*) *grandis* H. & C. 1847 lectotype [Barrande 1852 pl. 29 fig. 30] selected and figured [Barrande's referred hypostome 1872 pl. 8 fig. 49 excluded as *Pharostoma pulchrum*] p. 507 (520) pl. i figs. 6–7 Ordovician (Middle) Bohemia ; hypostome ascribed to *P. zippei* by Barrande 1872 pl. 8 fig. 40 referred to *Pharostoma pulchrum vokovicense* p. 520, *P. microptera* H. & C. a synonym of *Eccoptochile* (*Eccoptochiloides*) *scuticauda* (B. 1846) p. 513, **Prantl & Šnajdr** Sborn. úst. Úst. geol. **23** [Pal.] 1957.

*Placoparia zippei* Barr. p. 6, *P. z. tumida* Klou. p. 24, **Röhlich (1).**

*Plaesiacomia* Corda 1847 discussed and referred to Colpocoryphinae [quod vide] p. 278, **Sdzuy (4).**

*Plagiolaria* see *Phacops.*

*Plagiura cercops* (Walcott) p. 964 pl. cxix figs. 9–11, **Rasetti.**

*Platillaenus* Jaanusson 1954 referred to Bumastinae p. 95, *P. ladogensis* (Holm 1886) lectotype selected p. 104 pl. ii figs. 9–12, pl. iii figs. 1–4 [illegible] 13, *P. mirus* (Wiman 1907) [illegible] refigured p. 107 pl. iii **Størmer**

*Peltura* [illegible] cf. *mirus* pl. iii figs. 8–10, referred to [illegible] *Illaenus* cf. *l.* of Bohlin p. 115, **Harri[illegible] Jaanusson.**

*Platopolichas* Gürich 1901 a synonym of *Uralichas* [quod vide] p. 113, **Tripp (1).**

*Platylichas* Gürich 1901 discussed and referred to Homolichinae with synonyms *Metalichas* Reed, *Autoloxolichas* Phleger and *Lingucephalichas* P. p. 116, *P.* [sp.] text-fig. 5B (left), **Tripp (1).**

*Platypeltoides* Přibyl may belong to new fam. with *Illaenopsis* and *Borthaspidella* p. 183, **Harrington & Leanza.**

*Plesiomegalaspis* (*Ekeraspis*) *armata* Tjernvik [type of *E.*] referred without comment to *Megistaspis* p. 156, as is *P.* (*P.*) *estonica* T. p. 154, **Jaanusson.**

*Plesioparabolina* Harrington & Leanza 1942 doubtfully an Olenid p. 19, **Henningsmoen (1).**

*Plesioparabolina proparia* Harrington & Leanza 1942 p. 87 fig. 27 (4), **Harrington & Leanza.**

*Plethometopus knopfi* Lochman p. 1817, **Knopf.**

*Plethometopus* sp. from Newfoundland comparable with *P. microphthalmus* Kobayashi p. 23, E. Richardson *in* **Harrington & Leanza.**

Plethopeltidae see *Kazellina* **gen. n.**

*Plethopeltis megalops* Kobayashi 1937 may be a synonym of *Angelina hyeronimi* (Kayser) p. 101, **Harrington & Leanza.**

*Plethopeltis shantungensis* **sp. n.** p. 270 pl. cxl figs. 18–19 Cambrian (Upper) China (Shan-tung), **Lu** Index Fossils of China, Invertebrate, Part III 1957.

*Pleuroctenium granulatum* (Barrande) listed p. 240, **Šnajdr (1).**

*Plicatolina* Shaw 1951 referred to Oleninae p. 152, **Henningsmoen (1).**

*Plicatolina kindlei* Shaw for *Parabolinella triarthroides* of S. 1951 *partim* (pygidium pl. 22 fig. 10) p. 107, *P. scalpta* **sp. n.** including *Olenus ?* sp. Harrington 1938 and *Parabolina pheidolopyge* of H. & Leanza 1943 p. 111 figs. 40 reconstr., 41 (1–9) Tremadoc Argentina and

Bolivia, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Pliomera fischeri* (Eichwald) pl. fig. 2, **Balashova.**

*Pliomera martelli* Reed 1917 (lectotype selected) type of *Pliomeraspis* **gen. n.** p. 811, **Harrington.**

*Pliomera martellii* Reed p. 291 pl. cliii fig. 19, **Lu.**

*Pliomera tmetophrys* **sp. n.** p. 214 figs. 119 (1*a–e*) Ordovician (Middle) Argentina (La Rioja), *P.* ? sp. p. 249 ; *P. primigena* Angelin referred to *Pliomeroides* **gen. n.** p. 219, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Pliomeraspis* **gen. n.** [Pliomerinae] p. 811 for type *Pliomera martelli* Reed 1917 [lectotype selected] Ordovician (Middle) China (Yun-nan), **Harrington** J. Paleont. **31** 4 1957.

Pliomerellinae Hupé 1953 validity doubtful p. 93, **Přibyl.**

Pliomeridae see *Pliomeroides* **gen. n.**

Pliomeridae (Protopliomeropsinae) see Protopliomeropsinae.

Pliomerinae see *Pliomeraspis* **gen. n.**

*Pliomeroides* **gen. n.** [Pliomeridae] p. 218 for type *Protopliomerops deferrariisi* Harrington 1938 Tremadoc Argentina (Jujuy) holotype refigured p. 219 figs. 120 restor., 121 (2*a–c*), *P. primigenus* (Angelin) for *Pliomera p.* A. discussed p. 219, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Pliomerops canadensis* Billings p. 59, *P.* sp. p. 40, **Webb.**

*Pliomerops* sp. A [undescr.] p. 37, *P.* sp. (cf. *parvus* Billings) p. 41, **Cowie & Adams.**

*Plusiarges* Gürich 1901 a synonym of *Trochurus* p. 117, **Tripp (1).**

*Poliellaspis sayanicus* (Poletaeva) p. 129 pl. xiv fig. 9, **Egorova et al.**

*Poliellina lermontovi* Poletaeva p. 129 pl. xiv figs. 4а, б, в, **Egorova et al.**

*Portentosus* **gen. n.** [Remopleuridae] p. 144 for type *P. brevis* **sp. n.** p. 144 pl. xvi figs. 5а–б Cambrian (Upper) U.S.S.R. (W. Siberia), **Egorova** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Porterfieldia* Cooper 1953 referred to Triarthrinae, *P. jachalensis* **sp. n.** p. 119 figs. 44 (2*a–c*) Ordovician (Middle) Argentina (San Juan), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Porterfieldia* Cooper 1953 referred to Oleninae p. 152, **Henningsmoen (1).**

*Porterfieldia* Cooper 1953 a synonym of *Triarthrus* [Green] to which its type *T. caecigenus* Raymond is referred p. 943, **Whittington (1).**

*Poshania poshanensis* gen. et sp. nov. [nom. nud.] p. 15 pl. i fig. 3 (4) Cambrian (Middle) China (Shantung), **Chang.**

*Poulsenia* Resser 1936—close resemblance of *Solenopleura parva* Linnarsson discussed, *P. columbiana* [*columbiensis* on p. 957] **sp. n.** p. 965 pl. cxxi figs. 10–11 Cambrian (Middle) Canada (B.C.), **Rasetti** J. Paleont. **31** 5 1957.

*Poulsenia* see *Parapoulsenia* **gen. n.**

*Primaspis ? keyserlingi* (Barr.) p. 415, **Röhlich (2).**

*Prionopyge* Harrington & Leanza 1942 an objective synonym of *Onychopyge* H. 1938 [*non Onycopyge* Woodward 1880] for which it was proposed as a replacement name p. 187, **Harrington & Leanza.**

*Proasaphiscus* cf. *affluens* Resser et Endo, *P. lui* n. sp. [nom. nud.] p. 16 Cambrian (Middle) China (Shantung), **Chang.**

*Proasaphiscus yabei* Resser & Endo figs. 1–2, *P. suni* Lu figs. 3–4 pl. cxlii p. 267, **Lu.**

*Proaulacopleura* Kobayashi 1936 may belong to Andrarinidae p. 27, **Henningsmoen (1).**

*Probolichas* Phleger 1936 a synonym of *Amphilichas* p. 116, **Tripp (1).**

*Probolium altaicum* (Khalfin) [not seen] p. 274 pl. lxv figs. 1–3 text-fig. 194 Devonian (Lower) U.S.S.R. (W. Siberia), **Khalfin.**

*Probowmania ligea* (Walcott) p. 30, **Chang.**

*Proceratopyge incondita* **sp. n.** p. 185 fig. 94 (10) Tremadoc Argentina (Salta), *P. inexpectata* Harrington p. 250, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Proceratopyge ? multiannulata* sp. nov. p. 279, **Borukaev.**

*Proceratopyge* sp. p. 281 ; *P.* (*Lopnorites*) *grabaui* (Troedsson) pl. cxlvi fig. 1, *P.* (*L.*) *rectispinatus* (T.) pl. cxlv figs. 10–11 p. 281, **Lu.**

*Prochuangia mansuyi* Kobayashi p. 276 pl. cxliv figs. 13–14, **Lu.**

*Prodamesella convexa* gen. et sp. nov. [nom. nud.] p. 30 expl. pl. i fig. 3 (5), **Chang.**

*Proerbia ? bidzhenia* **sp. n.** p. 107 pl. xi fig. 9 Cambrian (Lower) U.S.S.R (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

Proetidae see *Proetiella* and *Keidelia* **genn. n.**

Proetidellinae Hupé 1953 a synonym of Proetinae p. 91, **Přibyl.**

***Proetiella* gen. n.** [Proetidae] p. 139 for type *Dalmanitina tellecheai* Rusconi 1951 horizon stated to be Ordovician (Middle) Argentina p. 141 figs. 59 (3–7), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

Proetinae Hawle & Corda—Proetidellinae Hupé 1953 a synonym p. 91, **Přibyl.**

*Proetus* (*Proetus*) *aplanatus* **sp. n.** p. 1041 pl. xxxii figs. 1, 1*a* text-fig. 1A, *P.* (*P.*) *pseudotenuis* **sp. n.** p. 1042 pl. xxxii figs. 2, 2*a–c* text-fig. 1B, *P.* (*P.*) *rogeri* **sp. n.** p. 1044 pl. xxxii figs. 3, 3*a* text-fig. 1C Devonian (Lower) France (Anjou), **Pillet** Bull. Soc. géol. Fr. (6) **6** 7–9 1957.

" *Proetus* " *beecheri* Ruedemann—protaspides attributed by Beecher 1895 tentatively excluded as Protaspis B, but those attributed by B. to *Triarthrus becki* [see Protaspis A] may belong to *P. beecheri* p. 944, **Whittington (1).**

*Proetus* (*P.*) *bohemicus* H. & C., *P.* (*P.*) *koeneni* Maurer, *P.* (*P.*) aff. *orbitatus* Barr., *P.* (*P.*) cf. *tuberculatus* B., *P.* (*P.*) sp., *P.* (*Unguliproetus*) *unguloides* B., *P.* (*U.*) *měnaniensis* Přib., *P.* (*U.*) aff. *ryckholti* B., *P.* (*U.*) cf. *serus* B., *P.* (*U.*) *rarissimus* B., *P.* (*U.*) n. sp. [undescr.], *P.* (*Eremiproetus*) *eremita*, *P.* (*E.*) *natator*, *P.* (*E.*) *vicinus* B. spp., *P.* (*E.*) *occultus* Přib., *P.* (*Cornuproetus*) *buchi* H. & C., *P.* (*C.*) *dufresnoyi* (H. & C.), *P.* (*C.*) *pictus* Gieb., *P.* (*C.*) *complanatus* B., *P.* (*C.*) sp., *P.* (*Lepidoproetus*) sp., *P.* (*Decoroproetus*) *concentricus* Přib., *P.* (*Xiphogonium*) *loveni* B., *P.* (*Sculptoproetus*) *sculptus* (B.), *P.* (*Piriproetus*) sp. p. 435, *P.* (*Proetus*) *orbitatus* B., *P. myops* B., *P. retroflexus* B., *P. microphthalmus* Přib. p. 406, *P. moestus* B. p. 409, **Chlupáč.**

*Proetus bucculatus* Öpik p. 124, **Rõõmusoks.**

*Proetus carinatus* Khalfin [not seen] p. 272 pl. lxiv fig. 4 Devonian (Lower) U.S.S.R. (W. Siberia), **Khalfin.**

*Proetus* (*Decoroproetus*) *decorus* Barrande 1852 p. 90 (132) pl. i figs. 5–9 text-figs. 3a–d, **Tomczykowa.**

*Proetus* (*Piriproetus ?*) *dormitans* (Reinh. Richter) and *P.* (*P.?*) sp. aff. *d.*, *P.* (*P.?*) n. sp. *A* [undescr.] Devonian (Lower/Middle) Germany (Thuringia) p. 200, **Alberti.**

*Proetus latilimbatus* Grabau figs. 3–5, *P. chengi* Sun figs. 6–8, *P. indosinensis* Mansuy fig. 9 pl. cliii p. 287, **Lu.**

*Proetus* (*Proetus*) *papillaris* **sp. n.** p. 56 pl. i figs. 1–3 text-figs. 1 (1a–b, 2, 3a–b), *P.* (*P.*) sp. *A* p. 59 pl. i figs. 4a–b, *P.* (*P.*) sp. *B* p. 60 pl. i figs. 5a–b Devonian (Middle) Poland (Lysa Gora). **Osmólska** Acta palaeont. polon. **2** 1 1957.

*Proetus* ex gr. *subplanatus* Maurer p. 162 pl. x fig. 18, *P.* sp. [*P.* (*subplanatus ?*) on pl. expl.] p. 162 pl. x fig. 18a, **Firtion.**

*Prohedinella* **gen. n.** [Olenidae] for type *P. erbiensis* **sp. n.** p. 128 pl. xi fig. 6 Cambrian (Middle) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Prohedinia* Lermontova [not seen] for type *P. attenuata* L., discussed and referred to Olenidae, *P. solida* **sp. n.** p. 127 pl. xiv figs. 5a–6 Cambrian (Middle) U.S.S.R. (W. Siberia), **Poletaeva** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Proliostracus noe-nygaardi* Poulsen, *P. rosenkrantzi* P., *P. strenuelliformis* P. p. 29, **Cowie & Adams.**

*Promegalaspides* Westergård discussed, *P. robustus* **sp. n.** p. 169 pl. xxii fig. 9, *P. angelini* **sp. n.** p. 170 pl. xxii fig. 11, *P. majusculus* **sp. n.** p. 170 pl. xxii fig. 12, *P. elongatus* **sp. n.** p. 171 pl. xxii fig. 10 Tremadoc U.S.S.R. (W. Siberia), **Lomovitskaya** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Prosaukia angulata* (Mansuy) p. 284 pl. cxlvii figs. 12–13, **Lu.**

*Prosaukia briarcliffensis* Lochman p. 1817, **Knopf.**

*Protolenus* Matthew 1892—reference of German Middle Cambrian forms discussed p. 12, *P. annulatus* (Schmidt 1942) for *Ellipsocephalus annulatus* S. p. 14 text-fig. 3, *P.* cf. *annulatus* for *E. anomocaroides* S. 1942 *partim* (pl. 24 figs. 26–27) p. 15 text-fig. 4 ; *P.* n. sp. [undescr.] Cambrian (Middle) Germany (Bavaria), **Sdzuy (2).**

*Protolloydolithus*—relations with *Myttonia* and *Marrolithus* discussed p. 273, **Whittard.**

*Protopeltura* Brøgger 1882 referred to Pelturinae, *P. mesembria* **sp. n.** p. 88 figs. 27 (*2a–d*) Tremadoc Argentina (Salta) ; *P. granulosa* Harrington 1938 a synonym of *Parabolinopsis mariana* Hoek p. 89, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Protopeltura* Brögger 1882 discussed and referred to Pelturinae p. 220, *P. aciculata aciculata* (Angelin 1854) lectotype [recte neotype] selected p. 222, *P. aciculata pusilla* Westergård 1922 lectotype selected p. 223 pl. xxiii figs. 1–6, *P. bidentata* (B. 1882) lectotype selected and figured p. 224 pl. xxiv figs. 6–10, *P. broeggeri* (Holtedahl 1910) for *Leptoplastus b.* H. restr. lectotype selected and figured p. 225 pl. xxiii figs. 7—15, *P. holtedahli* **sp. n.** including *Peltura praecursor* of H. 1910 *partim* (pl. 2 figs. 3–4, 6–10) Cambrian (Upper) Norway p. 227 pl. xxiii figs. 16–22, *P. intermedia* W. 1922 lectotype selected p. 228, *P. planicauda* (B. 1882) for *Peltura p.* B. lectotype selected and figured p. 228 pl. xxiv figs. 11–13, *P. praecursor* (W. 1909) lectotype selected and figured p. 229 pl. xxiv figs. 1–5, *P. ? solitaria* (W. 1922) for *Beltella s.* W. restr. [*non* pl. 14 fig. 2 to *P.* sp.] lectotype selected p. 230 ; *P. praecursor* var.? Vologdin 1940 discussed, *P. acanthura tetracanthura* Matthew referred to *Parabolina t.* p. 128 ; *P.* sp. for *Ctenopyge spectabilis* B. 1882 *partim* (pl. 2 fig. 12) p. 197, *P. granulosa* Harrington 1938 a synonym of *Leptoplastides marianus* (Hoek) p. 266, *P. ? asperoensis* Rusconi 1952 not an Olenid p. 24, **Henningsmoen** Skr. norske Vidensk-Akad. I Mat.-Nat. Kl. **1957** No. 1.

*Protopliomerella* **gen. n.** [Protopliomeropsinae] p. 811 for type *Protopliomerops contracta* Ross Ordovician (Lower) U.S.A., **Harrington** J. Paleont. **31** 4 1957.

*Protopliomerops* Kobayashi 1934 discussed, *P. rossi* **sp. n.** including *P. primigenus* of Harrington 1937 and 1938 *partim* (non fig. 14) p. 217 figs. 119 (*3a–f*) Tremadoc Argentina, *P.* sp. p. 234 ; *P. deferrariisi* H. 1938 type of *Pliomeroides* **gen. n.** to which is also referred *P. primigenus* (Angelin) p. 218, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Protopliomerops aemula* Hintze type of *Hintzeia* **gen. n.** to which are also referred *P. celsaora* Ross and *P. firmimarginis* H. p. 811, *P. contracta* R. type of *Protopliomerella* **gen. n.**

p. 811, *P. superciliosa* R. type of *Rossaspis* **gen. n.** to which is also referred *P. rossi* Harrington & Leanza p. 812, **Harrington.**

*Protopliomerops* cf. *P. superciliosa* Ross p. 503 pl. xlii fig. 18, **Ross.**

Protopliomeropsinae Hupé 1953 validity doubtful p. 93, **Přibyl.**

Protopliomeropsinae see *Hintzeia*, *Kanoshia*, *Protopliomerella* and *Rossaspis* **genn. n.**

*? Protypus* sp. p. 29, **Cowie & Adams.**

*Prozacanthoides stissingensis* Dwight p. 1817, **Knopf.**

*Psalikilus* sp. p. 137 pl. xi fig. 5, **Sando.**

Pseudagnostinae see *Machairagnostus* **gen. n.**

*Pseudagnostus bilobus* Shaw 1951 probably referable to *Machairagnostus* **gen. n.** p. 63, **Harrington & Leanza.**

*Pseudagnostus communis* (Hall & Whitfield), *P.* sp. p. 117, *P. laevis* Palmer p. 116, **Drewes & Palmer.**

*Pseudagnostus cyclopygeformis* Sun p. 259 pl. cxxxvii figs. 20–21, *P. douvillei* (Bergeron) p. 259 pl. cxxxvii fig. 22, **Lu.**

*Pseudagnostus* ex gr. *leptoplastorum* Wgård, *P.* sp. p. 276, **Borukaev.**

*Pseudanomocarina* **gen. n.** [Anomocaridae] p. 166 for type *P. plana* **sp. n.** p. 167 pl. xxxi figs. 6–8, *P. aojiformis* **sp. n.** p. 169 pl. xxxi figs. 9–10 Cambrian (Middle) U.S.S.R. (Yakutsk), **Chernysheva** Trud. VSEGEI NS [Pal.] **12** 1956.

*Pseudasaphus tecticaudatus* (Steinh.) p. 108, **Rõõmusoks.**

*Pseudobasilicus kuckersianus* Schm. p. 108, **Rõõmusoks.**

*Pseudobasilicus nobilis* (Barr.) p. 24, *P. ?* sp. p. 22, **Röhlich (1).**

*Pseudobasilicus nobilis* (Barr.) p. 415, **Röhlich (2).**

*Pseudobasilicus* cf. *nobilis* (Barrande) p. 503, Stubblefield *in* **Sudbury.**

*Pseudohysterolenus* **gen. n.** [Ceratopygidae] for type *P. infidus* **sp. n.** p. 191 figs. 98 (*2a–e*), 99 reconstrs. Tremadoc Argentina (Jujuy), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*? Pseudohystricurus* sp. p. 33, **Cowie & Adams.**

*Pseudokainella* Harrington 1938 discussed and referred to Richardsonellinae, *P. keideli* H. 1938 holotype refigured p. 131 figs. 51 reconstr., 52 (5–10), *P. lata* (Kobayashi 1935) for *Kainella l.* K. [type of *Parakainella* K. 1953] including *Andesaspis argentinensis* K. 1935 *partim* (pygidium pl. ll figs. 3–4) p. 132 figs. 53 reconstr., 54 (1–9), *P. pustulosa* **sp. n.** Tremadoc Argentina p. 133 figs. 55 (1–8), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Pseudokainella ? armatus* Hintze belongs to an unnamed genus p. 498, **Ross.**

*Pseudomegalaspis patagiata* p. 48, G. Henningsmoen *in* **Holtedahl & Dons.**

*Pseudomera barrandei* (Billings) p. 37, **Cowie & Adams.**

*Pseudomera kanoshensis* Hintze type of *Kanoshia* **gen. n.** p. 811, **Harrington.**

*Pseudomera* sp. p. 35 *ff.*, **Webb.**

*Pseudoperonopsis zuninoi* **sp. n.** Tremadoc Argentina (Salta) p. 75 figs. 19 reconstr., 21 (*6a–c*), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Pseudophillipsia* Gemmellaro 1890 sens. nov. discussed p. 197 *ff.*, diagnosis p. 201, *P. lipara* **sp. n.** p. 202 pl. i figs. 1–4 text-figs. 1a–c, 2a–b, 3 (reconstructed section), *P. staetopyga* **sp. n.** p. 208 pl. i figs. 5–6 Upper Carboniferous or Lower Permian Arabia (Oman), *P. sumatrensis* (Roemer 1880) [with possible synonym *P. borissiaki* Toumansky 1935 p. 198] pl. i fig. 7, *P. paffenholzi* (Weber 1944) for *Cyphinium ? p.* W. & including *P.* cf. *elegans* of Douvillé 1904 discussed p. 207 ; *P. ? solida* W. 1944 may belong to *Delaria* p. 197, **Goldring** Senckenbergiana leth. **38** 3–4 1957.

*Pseudotupolichas* Phleger 1936 a synonym of *Arctinurus* p. 114, **Tripp (1).**

*Psilocephalina lubrica* Hsü p. 280 pl. cxlviii figs. 15–16, **Lu.**

*Ptarmigania* Raymond 1928 discussed with synonym *Ptarmiganoides* Rasetti 1951 p. 31, list of referred spp. p. 33 *ff.*, *P. asiatica* **sp. n.** p. 36 pl. i fig. 4 Cambrian (Middle) U.S.S.R. (Kazakhstan), **Ivshin** Middle Cambrian Trilobites of Kazakhstan Part II 1957.

*Ptarmiganoides* Rasetti 1951 a synonym of *Ptarmigania* Raymond 1928 p. 33, **Ivshin.**

*Pterocephalia* cf. *P. occidens* Walcott p. 115, *P.* sp. p. 117, **Drewes & Palmer.**

*Pterolichas* Gürich 1901 a synonym of *Arctinurus* p. 114, **Tripp (1).**

*Pterygometopus kuckersianus* Schm. p. 108, *P. exilis* (Eichw.) p. 112, **Rõõmusoks.**

*Pterygometopus* sp. p. 138, **Jaanusson.**

*Ptychagnostus atavus* (Tullberg) p. 259 pl. cxxxvii figs. 14–16, *P. sinicus* **sp. n.** Cambrian (Middle) Manchuria p. 259 pl. cxxxvii figs. 17–19, **Lu** Index Fossils of China, Invertebrate, Part III 1957.

*Ptychagnostus gibbus* p. 46, L. Størmer *in* **Holtedahl & Dons.**

*Ptychagnostus* (*Ptychagnostus*) *richmondensis* Walcott, *P.* (*Triplagnostus*) sp. p. 118, **Drewes & Palmer.**

*Ptychagnostus* (*Triplagnostus*) *vinicensis* **sp. n.** p. 235 pl. i fig. 1 Cambrian (Middle) Bohemia, **Šnajdr** Vestn. úst. Úst. geol. **32** 1957.

*Ptychaspis subglobosa* (Grabau) Sun p. 286 pl. cxlviii fig. 9, **Lu.**

" *Ptychoparella* " sp. indet for *P.* sp. indet. Shaw 1954 p. 790 pl. ic fig. 18, **Shaw (3).**

*Ptychoparia aclis* Walcott 1913 type of *Shantungaspis* **gen. nondescr.** p. 31, **Chang.**

*Ptychoparia kochibei* Walcott fig. 16, " *P.*" *mantoensis* W. fig. 14, " *P.*" *aclis* W. fig. 15, *P. szechuanensis* Sun fig. 13 pl. cxli p. 266, **Lu.**

*Ptychoparia skapta* Walcott referred to *Onchocephalus* [quod vide] p. 963, **Rasetti.**

*Ptychoparia striata* (Emmrich) listed p. 240, **Šnajdr (1).**

Ptychopariidae see *Gaphuraspis*, *Jangudaspis* and *Kounamkites* **genn. n.**

Ptychoparioidae see *Onchocephalites*, *Parapoulsenia* **genn. n.**, Undetermined pygidia nos. 2–5.

*Ptychopyge thebawi* Reed p. 279 pl. cxlix figs. 4–5, **Lu.**

*Pyraustocranium* Ross 1951 excluded from Leptoplastinae and only doubtfully an Olenid p. 19, **Henningsmoen (1).**

*Quadraticephalus walcotti* Sun p. 285 pl. cxlviii fig. 7, **Lu.**

*Radiaspis radiara* [sic] (Goldf.) p. 436, *R.* sp. p. 406, **Chlupáč.**

*Radiolichas* Reed 1923 referred to Ceratarginae **subfam. n.**, *R. araneiformis* **nom. n.** for *Lichas aranea* Holzapfel 1895 (non *L. araneus* Lindström 1885) p. 118 text-fig. 4W, **Tripp** Geol. Mag., Lond. **94** 2 1957.

Raphiophoridae — *Mendolaspis* Rusconi referred p. 212, **Harrington & Leanza.**

*Raphiophorus ? lamasi* **sp. n.** p. 210 figs. 115 restor., 116 (2) Ordovician (Lower) Argentina (Salta), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Raphiophorus rouaulti* (Barrande 1852) p. 88 (131) pl. i figs. 1–4 text-figs. 2a–e, **Tomczykowa.**

*Raphiophorus rouaulti* (Barrande) and similar forms discussed p. 243, Whittington *in* **Durham & Melville.**

*Raymondarges* Phleger 1937 a synonym of *Dicranopeltis* p. 114, **Tripp (1).**

*Raymondaspis* spp. A & B [undescr.] p. 37, **Cowie & Adams.**

*Redlichia chinensis* Walcott p. 17, **Chang.**

*Redlichia intermedia* Lu figs. 10–11, *R. chinensis* Walcott figs. 12–13, *R. mai* L. fig. 14, *R. wangi* L. [not seen] fig. 15, *R. meitanensis* L. [n.s.] fig. 16 pl. cxxxviii, *R. takooensis* L. [n.s.] pl. cxxxix fig. 1 p. 261, **Lu.**

Redlichiidae see *Bulaiaspis* **gen. n.**

*Redlichina* Lermontova discussed, *R. vologdini* L. p. 112 pl. xii figs. 5a–б, *R. sayanica* **sp. n.** p. 113 pl. xii fig. 2 Cambrian (Lower) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Reedocalymene expansus* **sp. n.** p. 531 (549) pl. i figs. 1a–e, pl. ii figs. 1a–d, *R. expansus* var. *brevica* **var. n.** p. 532 (550) pl. i figs. 2a–f Ordovician (Upper) China (Hu-peh), **Yi** Acta palaeont. sinica **5** 4 1957.

*Remopleurides* cf. *latus* Olin of Reed 1917 p. 539 (556) pl. iv figs. 4a–b, **Yi.**

*Remopleurides nanus elongatus* Schm. p. 116, *R. psammius* Öpik p. 124, **Rõõmusoks.**

*Remopleurides nasutus* Lu [**sp. n.**] China (Shen-si) p. 277 pl. cliii figs. 14–15, *R. shihtzupuensis* L. [**sp. n.**] China (Kwei-chow) p. 278 pl. cliii fig. 16 Ordovician (Lower), **Lu** Index Fossils of China, Invertebrate, Part III 1957.

*Remopleurides* sp. A [undescr.] p. 37, *R.* sp. B [undescr.] p. 41, **Cowie & Adams.**

Remopleurididae — Richardsonellinae referred p. 126, **Harrington & Leanza.**

Remopleurididae see *Apatokephalina, Artokephalus* and *Portentosus* **genn. n.**

Remopleuridinae see *Remopleuridioides* **gen. n.**

*Remopleuridioides* **gen. n.** [? Remopleuridinae] for type *R. preandinus* **sp. n.** p. 126 figs. 49 reconstr., 50 (9) Ordovician (Middle) Argentina (San Juan), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Reraspis plautini* (Schm.) p. 108, **Rõõmusoks.**

*Rhadinopleura* **gen. n.** [Hapalopleuridae] for type *R. eurycephala* **sp. n.** p. 207 figs. 112 (*3a–b*), 113 restor. Tremadoc Argentina (La Rioja), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Rhenops* see *Asteropyge.*

*Rhodonaspis* Whitehouse 1939 excluded from Olenidae p. 21, **Henningsmoen (1).**

Richardsonellidae Raymond 1924 discussed with subfamilies Richardsonellinae, Kainellinae, Apatokephalinae, ? Hungaiinae, and ? *Loganellus* group p. 29, **Henningsmoen (1).**

Richardsonellinae Raymond considered a subfamily of Remopleurididae ; *Kainella, Pseudokainella* and *Apatokephalus* referred p. 126 *ff.*, **Harrington & Leanza.**

*Richterarges* Phleger 1936 a synonym of *Hemiarges* p. 117, **Tripp (1).**

*Rossaspis* **gen. n.** [Protopliomeropsinae] p. 812 for type *Protopliomerops superciliosa* Ross Ordovician (Lower) U.S.A., and also including *P. rossi* Harrington & Leanza, **Harrington** J. Paleont. **31 4** 1957.

*Saltaspis* Harrington & Leanza 1952 discussed and referred to Pelturinae p. 95, *S. steinmanni* (Kobayashi 1936) p. 97 figs. 31 reconstr., 32 (*1a–f*), **Harrington & Leanza.**

*Saltaspis* Harrington & Leanza 1952 discussed and referred to Pelturinae p. 244, *S. steinmanni* (Kobayashi 1937) lectotype selected p. 245, *S. viator* and *S.* sp. Tjernvik discussed, **Henningsmoen (1).**

*Salterolithus caractaci* (Murchison 1839) lectotype selected and figured and variation of sp. discussed with synonym *Trinucleus intermedius* Wade 1911 (lectotype selected and figured) p. 284 pl. x figs. 3–6, *S. caractaci* var. *paucus* **var. n.** Ordovician (Middle) Britain (Wales) p. 286 pl. x figs. 1–2, **Cave** Geol. Mag., Lond. **94** 4 1957.

*Sao hirsuta* Barrande listed p. 240, **Šnajdr (1).**

*Sao hirsuta* Barrande 1846—description of developmental stages and ventral sutures p. 937 pl. cxv figs. 21–22, pl. cxvi figs. 14–21, **Whittington (1).**

*Sao hirsuta* Barrande growth-stages text-figs. 6 (A–L), **Whittington (2).**

Saoinae Hupé 1953 considered a subfamily of Conocoryphidae p. 88, **Přibyl.**

Šárkiidae Hupé 1953 spelling corrected (from Šarkiaiidae) p. 88, **Přibyl.**

*Saukia acamus* var. *punctatus* Sun p. 285 pl. cxlvii fig. 14, **Lu.**

*Saukia ?* sp. Bulman 1951 referred to *Hypermecaspis bulmani* **sp. n.** p. 121, **Harrington & Leanza.**

*Saukiella tarutaoensis* **sp. n.** Cambrian (Upper) Thailand p. 378 pl. v fig. 12, **Kobayashi** J. Fac. Sci. Tokyo Univ. [2] **10** 3 1957.

*Schagonaria* **gen. n.** [Paradoxidae] p. 111 for type *S. tannuola* **sp. n.** p. 112 pl. xii figs. 1a, б Cambrian (Lower) U.S.S.R. (W. Siberia), **Poletaeva** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Scharyia* Přibyl 1946 referred to Cyrtosymbolidae (Scharyiinae) **subfam. n.** p. 61, *S. couviniana* **sp. n.** p. 62 pl. ii figs. 1–2 text-figs. 2 (1a–c, 2, 3a–c) Devonian (Middle) Poland (Lysa Gora), **Osmólska** Acta palaeont. polon. **2** 1 1957.

*Scharyia micropyga* (Hawle et Corda) p. 104 (138) text-figs. 10a–c, **Tomczykowa.**

Scharyiinae **subfam. n.** [Cyrtosymbolidae] p. 61 for *Scharyia* Přibyl 1946, **Osmólska** Acta palaeont. polon. **2** 1 1957.

*Schistocephalus* Lermontova MS **gen. n.** [Paradoxididae] p. 147 for type *S. enigmaticus* L. MS **sp. n.** p. 149 pl. xxx figs. 1–4, *S. antiquus* **sp. n.** pl. xxx fig. 6, *S. juvenis* **sp. n.** pl. xxx fig. 5 pp. 149, 150 Cambrian (Middle) U.S.S.R. (Yakutsk), **Chernysheva** Trud. VSEGEI NS [Pal.] **12** 1956.

*Schistometopus convexus* Rasetti pygidium tentatively assigned (but may be that referred to *Kochiella ? maxeyi* q. v.) p. 965 pl. cxxi figs. 14–17 [see also Undetermined pygidium no. 5], relations of *S. c.* to *Crepicephalus chares* Walcott p. 966, *S. ? minor* **sp. n.** p. 966 pl. cxx figs. 13–15 Cambrian (Middle) Canada (B.C.), **Rasetti** J. Paleont. **31** 5 1957.

*Schoriella* **gen. n.** [Dikelocephalidae] p. 133 for type *S. schorica* **sp. n.** p. 134 pl. xiv fig. 10 *pars* Cambrian (Upper) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Sculptoproetus* see *Proetus.*

*Scutellum* (*Scutellum*) sp. p. 69 pl. ii fig. 7, *S.* (*Paralejurus*) *dormitzeri dormitzeri* (Barrande 1852) p. 68 pl. ii fig. 6, **Osmólska.**

*Scutellum* (*Thysanopeltis*) Hawle & Corda discussed and restricted to *speciosum*-group p. 3, *S.* (*Thysanopeltella*) **subgen. n.** p. 2 for type *Bronteus acanthopeltis* Barrande 1852 Devonian (Middle) Bohemia, *S.* (*T.*) *clementinum* (B.), *S.* (*T.*) *trutati* (Barrois), *S.* (*T.*) *yakovlevi* (Weber), *S.* (*T.*) *tarak* (W.) and other spp. so referred, *S.* (*T.*) *weberi* **nom. n.** (for *Bronteus radiatus* W. 1923 *non* Münster 1840) p. 4, *S.* (*T.*) *paucispinosum* (Okubo 1951) p. 6 pl. i figs. 3a–b, 4 (restoration), **Kobayashi** J. Fac. Sci. Tokyo Univ. [2] **11** 1 1957.

*Scutellum* (*Thysanopeltis*) cf. *speciosum* (Hawle et Corda 1847) p. 443 (471) pl. iv fig. 2, **Strnad.**

*Scutellum viator, S. formosum, S. pustulatum, S. asperulum, S. indocilis, S. sieberi, S. billingsi, S. gervilleicans, S. angusticeps, S. spiniferum, S. porosum, S. richteri, S.* cf. *elongatum* (Barr. spp.), *S.* aff. *umbeliferum* (Beyr.), *S. gaudryi* Ptl & Přib., *S. furciferum, S.* cf. *oblongum* (H. & C. spp.), *S. analogum* Ptl, *S.* (*Thysanopeltis*) *speciosum* (H. & C.), *S.* (*Paralejurus*) *brongniarti, S.* (*P.*) aff. *b.* (Barr. spp.), *S.* (*Kolihapeltis*) *parabolinum, S.* (*K.*) *perlongum* (B. spp.), *S.* (*K.*) *linquatum* (Nov.), *S.* (*K.*) *lanceolatum* P. & P. pp. 434-435, *S.* (*S.*) *elongatum* (B.), *S. oblongum* (H. & C.), *S. coelebs* (B.), *S.* cf. *brevifrons* (B.) p. 406, *S.* (*T.*) *speciosum* var. ? p. 409, *S.* (*P.*) *dormitzeri* (H. & C.) p. 406, **Chlupáč.**

*Selenoharpes — Harpes cassinensis* Whitfield may belong p. 738, **H. B.** Whittington *in* **Weaver.**

*Selenopeltis buchi* Hawle et Corda p. 24, **Röhlich (1).**

*Selenopeltis buchi* (Barr.) p. 415, **Röhlich (2).**

*Seletella mirabilis* gen. et sp. **nov.** (Ivshin) p. 276, **Borukaev.**

*Semicyclocephalus terminalis* Ivshin p. 219, **Borukaev.**

*Semisphaerocephalus nominalis* Ivshin, *S. grandis* I. p. 219, **Borukaev.**

*Shantungaspis* n. gen. [**gen. nondescr.**] for type *Ptychoparia aclis* Walcott 1913 (p. 12 fig. 8) Cambrian (Middle) China p. 31 pl. i fig. 3 (7), **Chang.**

*Shantungia spinifera* Walcott p. 14 ; *S. spinifera* W. 1913 *partim* (pl. 14 fig. 6e) referred to *Metashantungia brevica* **gen. et sp. nondescr.** p. 29, **Chang.**

*Shantungia spinifera* Walcott p. 276 pl. cxliii fig. 11, **Lu.**

*Shirakiella elongata* Kobayashi p. 286 pl. cxlviii fig. 8, **Lu.**

*Shumardia erquensis* Kobayashi 1937 figs. 24 (2*a–b*), *S. minutula* Harrington 1938 holotype refigured figs. 24 (1*a–e*) p. 79 ; *S. pusilla* of Lake 1907 probably belongs to *S. bottnica* Wiman 1905 p. 79, **Harrington & Leanza.**

*Shumardia* new species [undescr.] p. 15, **Oxley.**

*Shumardops longifrons* Troedsson p. 292 pl. clv fig. 3, **Lu.**

*Sinosaukia pustulosa* Sun p. 285 pl. cxlviii fig. 1, **Lu.**

*Skreiaspis spinosus* (Jahn) listed p. 240, **Šnajdr (1).**

*Skryjagnostus* **gen. n.** [no family assigned] for type *S. pompeckji* **sp. n.** p. 236 pl. i figs. 9–12 Cambrian (Middle) Bohemia, **Šnajdr** Vestn. úst. Úst. geol. **32** 1957.

*Solenoparia toxens* (Walcott) figs. 6–7, *S. intermedia* (W.) fig. 10, *S. agno* (W.) figs. 8–9 pl. cxlii p. 271, **Lu.**

Solenopariinae Hupé 1953 considered a subfamily of Solenopleuridae p. 88, **Přibyl.**

*Solenopleura amsassensis* **sp. n.** p. 167 pl. xxi fig. 6 Tremadoc U.S.S.R. (W. Siberia), **Poletaeva** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Solenopleura holometopa* Angelin p. 113 pl. xii fig. 4, *S. djainensis* Lermontova var. *altaica* **var. n.** (Egorova) p. 114 pl. xii fig. 7 Cambrian (Middle) U.S.S.R. (W. Siberia), **Sivov & Egorova** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Solenopleura parva* Linnarsson—close resemblance to *Poulsenia* discussed p. 965, **Rasetti.**

*Solenopleura picardi* Schmidt 1942 including *Dorypyge* cf. *lakei* of S. *partim* (pl. 22 fig. 12) p. 25, *S.* cf. *vermontensis* Howell 1937 record of S. accepted, **Sdzuy (2).**

*Solenopleura prantli* Růžička type of *Jincella* **gen. n.** p. 241 to which are also referred *S. brachymetopa* (Angelin), *S. holometopa* (A.), *S. parva* Linnarsson, *S. conifrons* Westergård, **Šnajdr (1).**

*Solenopleura suavis*, *S. superconvexa*, *S. lata* Ivshin spp. p. 219, **Borukaev.**

*Solenopleura* spp. p. 46, L. Størmer *in* **Holtedahl & Dons.**

*Solenopleurella* sp. ? p. 222, **Woodward.**

Solenopleuridae Angelin 1854 — Solenopariinae Hupé 1953 considered a subfamily p. 88, **Přibyl.**

Solenopleuridae see *Abakanopleura*, *Maiaspis*, *Mataninella*, *Neoacrocephalites* and *Parasolenopleura* **genn. n.**

*Solenopleurina týřovicensis* Růžička pl. ii fig. 20, **Šnajdr (1).**

*Sonoraspis* recorded p. 1847, **Stoyanow.**

*Sphaerexochus hisingeri* var. *conusoides* Kor. MS p. 314, **Borukaev.**

*Sphaerexochus* sp. (cf. *canadensis* Billings) p. 41, **Cowie & Adams.**

*Sphaerocare* **gen. n.** [Incertae sedis, compared with *Blountia*, *Blountiella*, *Onchonotus*] p. 226 for type *S. globifrons* **sp. n.** p. 227 figs. 124 (4*a–b*) Tremadoc Argentina, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Sphaerocoryphe hübneri* Schm. p. 113, **Rõõmusoks.**

*Sphaerocoryphe robusta* Walcott p. 1048, **Weiss.**

*Sphaerophthalmella* Kobayashi 1955 [Sept.] discussed and referred to Pelturinae, pygidium attributed to *S. inexpectans* K. may not belong (possibly referable to *Jujuyaspis*) in which case *Sphaerophthalmella* may be a senior synonym of *Boeckaspis* Henningsmoen 1955 [Nov.] p. 272, **Henningsmoen (1).**

*Sphaerophthalmoides* Hutchinson 1952 a synonym of *Westergårdia* Raymond 1924 p. 253, *S. ornatus* H. possibly a synonym of *W. lata* (Matthew 1891) p. 256, **Henningsmoen (1).**

*Sphaerophthalmus* Angelin 1854 discussed and referred to Leptoplastinae p. 211, *S. alatus* (Boeck 1838) lectotype re-examined & figured and Scandinavian records since Linnarsson 1880 excluded [to *S. humilis*] but Scandinavian records of *S. major* included in synonymy p. 212 pl. xxii figs. 18–26, *S. humilis* (Phillips 1848) wth synonyms *Olenus sphaenopygus* and *Anopocare pusillum* [*partim*] A. 1854 and *S. alatus canadensis* Matthew 1894 restr. and *S. fletcheri* of M. 1903 *partim* and including records of *S. alatus* since Linnarsson 1880 p. 215 pl. xxii figs. 7, 11–15, text-fig. 5, *S. major* Lake 1913 excluding Scandinavian records since Westergård 1922 p. 217, *S. majusculus* Linnarsson 1880 lectotype selected p. 218 pl. xxii figs. 16, ? 17 ; *Ctenopyge ? oelandica* W. may belong to *S.* p. 212, *S. fletcheri* M. 1903 restr. referred to *C.* as is *S. ? parabola* Cobbold [as synonym of *C. drytonensis* C.] p. 212, **Henningsmoen (1).**

*Sphaerophthalmus* sp. p. 47, L. Størmer *in* **Holtedahl & Dons.**

Staurocephalidae (Prantl & Přibyl 1947) considered an independent family for *Staurocephalus* and *Oedicybele* p. 158, **Kielan.**

Staurocephalinae see Staurocephalidae.

*Staurocephalus* Barrande 1846 discussed and referred to Staurocephalidae pp. 157, 159, *S.* cf. *murchisoni* Barrande for British Wenlock forms of Salter 1864 and 1865 p. 160 pl. i figs. 1a–c, pl. ii figs. 1, 2a–b, text-fig. 1, *S. clavifrons* Angelin 1878 [refigured] including records of *S. murchisoni* from U. Ordovician of N. Wales by McCoy 1854, Salter 1864 *partim* (pl. 5 fig. 5) and 1865 *partim* (pl. 7 figs. 19–20) p. 163 pl. iii figs. 2–3, pl. iv figs. 1 [Angelin's specimen]–2, text-figs. 2–3 [reconstructions], *S.* sp. *a* Ordovician (Middle) Norway p. 167 pl. iv fig. 3 text-fig. 4, *S.* sp. *b* p. 169 pl. iii figs. 1a–c, *S.* sp. *c* p. 170 pl. iv figs. 4–5 Ordovician (Upper) Sweden ; *S. clarkei* de Koninck 1898 excluded from *S.* p. 160, **Kielan** Acta palaeont. polon. **2** 2–3 1957.

*Stenopareia* Holm 1886 referred to Illaeninae p. 109, **Jaanusson.**

*Stenopareia* Holm 1886 emend. Jaanusson accepted as a full genus p. 83, **Přibyl.**

*Stenopareia* Holm 1886 discussed p. 159, *S. panderi* (Barrande 1852) restr. [*non* pl. 30 figs. 10–11 to *S. oblita*] with synonyms *Illaenus laticeps* and *I. attenuatus* Hawle & Corda and *Homalonotus minor* B. 1872 p. 160 pl. vii figs. 3–7 text-figs. 3, 7, *S. oblita* (B. 1872) lectotype selected with synonym *Lichas rudis* B. 1872 p. 166 pl. vii figs. 8–10, **Šnajdr (2).**

*Stenopareia panderi* Barr. p. 415, **Röhlich (2).**

*Stenopilus* sp. p. 116, **Drewes & Palmer.**

*Stephanocare richthofeni* Monke p. 274 pl. cxliii figs. 12–13, **Lu.**

*Stephanocare* p. 29, **Chang.**

Styginid ind. p. 37, **Cowie & Adams.**

*Sunaspis* Lu 1953 [not seen], *S. laevis* Lu [n. s.] p. 267 pl. cxlvii figs. 7–8, **Lu.**

*Sunia* see *Amphoton.*

*Sunia typica* Kobayashi p. 264 pl. cxl figs. 6–7, **Lu.**

*Svobodapeltis* **gen. n.** [Illaenidae] p. 242 for type *Bumastus avus* Holub 1908 lectotype selected with synonym *B. pragensis* Klouček 1916 p. 243 pl. vi fig. 1, pl. xii figs. 1–2,

text-figs. 36–37 Ordovician (Middle) Bohemia, **Šnajdr** Sborn. úst. Úst. geol. **23** [Pal.] 1957.

*Symphysurina elegans* Poulsen, *S.* cf. *porifera* P., *S. robusta* P. p. 33, *S.* cf. *r.*, *S.* spp. A & B [undescr.], *S.* sp., *S.* sp. ind. p. 65, **Cowie & Adams.**

*Symphysurina* cf. *S. woosteri* Ulrich p. 137 pl. xi figs. 1–2, J. L. Wilson *in* **Sando.**

*Symphysurus ? anderssoni* Troedsson has no sagittal suture across cephalic doublure (fide V. Jaanusson) but reference to *Borthaspidella* not certain p. 183, **Harrington & Leanza.**

*Synhomalonatus* [sic] *birmanica* (Reed) p. 288 pl. cliv figs. 1–2, *S. shensiensis* **sp. n.** Ordovician (Lower) China (Shen-si) p. 288 pl. cl figs. 13–16, **Lu** Index Fossils of China, Invertebrate, Part III 1957.

*Synhomalonotus* Pompeckj 1898 discussed and referred to Homalonotidae (Eohomalonotinae) p. 277, *S. tristani* (Brongniart 1822) pl. i figs. 3–4, **Sdzuy (4).**

*Synhomalonotus kobayashii* **nom. n.** for *Calymene* (*S. ?*) *pompeckji* Kobayashi 1937 *non* Kummerow 1928 p. 221 fig. 122 (3), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Syspacephalus* see *Onchocephalites* **gen. n.**

*Syspacephalus cadyi* **sp. n.** for *S.* sp. A Shaw 1954 p. 790 pl. ic figs. 22–24 Cambrian (Middle) U.S.A. (Vermont), **Shaw** J. Paleont. **31** 4 1957.

*Tabatopygellina* **gen. n.** [Dorypygidae] p. 119 for type *T. babakoviensis* **sp. n.** p. 120 pl. xii fig. 9 Cambrian (Lower) U.S.S.R. (W. Siberia), **Sivov** Atlas of the leading forms of the fossil fauna and flora of Western Siberia I 1955.

*Taenicephalus* Ulrich & Resser 1924 may belong to new subfam. of Elviniidae p. 28, **Henningsmoen (1).**

*Taenicephalus* recorded p. 15, **Shaw (5).**

*Taenicephalus ? peregrinus* **sp. n.** p. 167 pl. i figs. 1–6 text-fig. 1 reconstruction) Cambrian (Upper) Sweden (Västergötland), **Henningsmoen** Bull. geol. Instn Univ. Upsala **37** 1–2 1957.

*Taihungshania shui* Sun pl. cxlvi fig. 12, pl. cl figs. 11–12, *T. brevica* S. pl. cxlvi figs. 13–14 p. 281, **Lu.**

*Talbotina* sp. p. 15, **Shaw (5).**

Telephinacea (Stubblefield 1950) nov. superfam. so accredited p. 85, **Přibyl.**

*Telephus chinensis* **sp. n.** p. 535 (553) pl. iii fig. 3, *T. angulatus* **sp. n.** p. 536 (554) pl. iii fig. 4, *T.* sp. 1 [*T.* sp. on pl. expl.] p. 536 pl. iii fig. 5, *T.* sp. 2 [*T. ?* sp. on pl. expl.] p. 537 pl. ii figs. 4a–c Ordovician (Upper) China (Hu-peh), **Yi** Acta palaeont. sinica **5** 4 1957.

*Tellerina chinhsiensis* (Sun) p. 285 pl. cxlviii figs. 2–4, **Lu.**

*Terataspis* Hall 1863 referred to Lichinae p. 116, **Tripp (1).**

*Tetralichas* Phleger 1936 a synonym of *Amphilichas* p. 116, **Tripp (1).**

Tetralichinae Phleger 1936 discussed and taken to include *Amphilichas* and *Lyralichas* p. 116, **Tripp (1).**

*Thailandium* **gen. n.** [no family assigned, compared with Anomocarinae and Elviniinae] p. 373 for type *T. solum* **sp. n.** Cambrian (Upper) Thailand p. 374 pl. iv figs. 9–10, ? 11–12 (referred pygidium) text-fig. 2, **Kobayashi** J. Fac. Sci. Tokyo Univ. [2] **10** 3 1957.

*Thaleops* Conrad 1843 referred to Illaeninae p. 109, **Jaanusson.**

*Thaleops* cf. *T. ovata* Conrad p. 1048, **Weiss.**

*Theamataspis illaenoides* Öpik p. 124, **Rõõmusoks.**

*Thomastus* Öpik 1953 referred to Bumastinae p. 93, **Jaanusson.**

*Thysanopeltella* **subgen. n.** see *Scutellum.*

*Thysanopeltis* see *Scutellum.*

*Thysanopyge* Kayser 1898 discussed and *Basilicoides* Harrington 1937 a synonym p. 167, *T. argentina* K. 1898 with synonyms *B. taurinus* Harrington 1937 and *T. frenguellii* H. 1938 p. 169 figs. 79 reconstr., 80 (1–5), 81 (1–6), 82 (1–6) [*T. argentina* of Kobayashi 1937 *partim* (pl. 3

fig. 19) referred to *Kayseraspis brackebuschi*], *T. clavijoi* **sp. n.** p.171 figs. 83 (1–3), *T. ? latelimbata* **sp. n.** p. 173 fig. 84 Ordovician (Lower) Argentina (Salta), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Tobatopyge* gen. nov. (? Sivov) p. 179, **Borukaev.**

*Törnquistia ? minuta* (Nieszk.) p. 124, **Rõõmusoks.**

*Tolanaspis almaematris* Ivshin, *T. angustifron* I. p. 219, **Borukaev.**

*Tomagnostus* recorded p. 11, F. Rasetti *in* **Oxley.**

*Tonkinella flabelliformis* Mansuy p. 264 pl. cxxxix figs. 12–13, **Lu.**

*Tonkinella shantungensis* n. sp. [nom. nud.] Cambrian (Middle) China (Shan-tung) p. 30 pl. i fig. 1, **Chang.**

*Tonkinella* sp. p. 112, **Drewes & Palmer.**

*Tostonia* Walcott 1924 discussed p. 19, **Henningsmoen (1).**

*Trachylichas* Gürich 1901 a synonym of *Dicranopeltis* p. 114, **Tripp (1).**

Tretaspidinae see *Guandacolithus* **gen. n.**

*Tretaspis ? alfredi* (Žel.) p. 415, **Röhlich (2).**

*Tretaspis* cf. *praecedens* (Klou.) p. 24, **Röhlich (1).**

*Tretaspis* sp. p. 1048, **Weiss.**

Triarthridae Ulrich 1931 a synonym of Oleninae p. 17, **Henningsmoen (1).**

*Triarthroides* Raymond 1937—reference to Olenidae uncertain p. 19, **Henningsmoen (1).**

*Triarthropsis australis* (Rusconi 1951) probably not an Olenid, *T. pampanus* R. 1953 discussed p. 25, **Henningsmoen (1).**

*Triarthrus* Green 1832 referred to Oleninae p. 147, *T. angelini a.* Linnarsson 1869 p. 148 pl. xi figs. 8–10, *T. angelini rectifrons* Harrington 1938 lectotype selected, *T. punctatus* (Crosfield & Skeat 1896) for *Peltura p.* C. & S. lectotype selected p. 149, *T. ? belli* Matthew 1902, *T. ? variscorum* Sdzuy 1955 p. 150, list of post-Tremadoc spp. of *T.* pp. 151–152 ; *T. shinetonensis* Lake 1913 referred to *Bienvillia* p. 144, *T. pacificus* (Kobayashi 1955) for *Peltura p.* K. p. 273, **Henningsmoen (1).**

*Triarthrus eatoni* (Hall 1838) for *T. becki* of Walcott 1879 redescription of W.'s developmental stages p. 941 pl. cxvi figs. 1–13, protaspides attributed to *T. becki* by Beecher 1893 tentatively excluded as Protaspis A [quod vide] p. 943, *T. caecigenus* Raymond discussed and so referred (hence *Porterfieldia* Cooper 1953 a synonym of *Triarthrus*) p. 943, **Whittington (1).**

*Triarthrus eatoni* (Hall) growth-stages text-figs. 10 (B–E), **Whittington (2).**

*Triarthrus tetragonalis* (Harrington 1938) for *Parabolinella t.* H. [holotype refigured] including tentatively *P. limitis* Brøgger 1882 *partim* (pl. 3 fig. 4) & of Størmer 1920 p. 113 figs. 42 (1–6, ? 7–8), *T. rectifrons* H. 1938 for *T. angelini r.* H. [holotype refigured] including *Peltura ?* sp. H. 1938 p. 115 figs. 43 (2*a–g*), *T. shinetonensis* Raw 1908 p. 115 figs. 42 (9–12), *T. parchaensis* **sp. n.** Ordovician (Lower) Argentina (Salta) p. 117 figs. 43 (1*a–h*), 44 (1*a–e*), *T.* sp. p. 242, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Tricrepicephalus* recorded p. 16, *T. tripunctatus* p. 14, **Shaw (5).**

*Tricrepicephalus tripunctus* (Whitfield) p. 222, **Woodward.**

*Tricrepicephalus* sp. p. 118, **Drewes & Palmer.**

*Trigonocerca ?* sp. p. 138 pl. x fig. 2, **Sando.**

*Trilobites musca* Barrande 1852 probably represents immature stages of an Odontopleurid p. 96 (134), **Tomczykowa.**

Trimerinae Hupé 1953—separation from Homalonotinae of doubtful validity p. 92, **Přibyl.**

*Trimerolichas* Phleger 1936 a synonym of *Arctinurus* p. 114, **Tripp (1).**

*Trimerus* Green 1832 referred to Homalonotinae and classified into *T.* (*Trimerus*) and *T.* (*Dipleura*)

although the separation into two subgenera may not be justified as *T. mongolicus* Tchernycheva 1937 is intermediate between them p. 278–279 ; relations of *T.* to *Homalonotus* (through *H. johannis* Salter) p. 285, **Sdzuy (4).**

*Trinia* **gen. n.** [Triniidae] p. 178 for type *T. bella* **sp. n.** p. 179 pl. xxxiii fig. 16 Cambrian (Middle) U.S.S.R. (Siberia), **Poletaeva** Trud. VSEGEI NS [Pal.] **12** 1956.

Triniidae **fam. n.** for *Trinia* **gen. n.** p. 178, **Poletaeva** Trud. VSEGEI NS [Pal.] **12** 1956.

*Trinodus jujuyensis* Harrington 1938 holotype refigured p. 73 figs. 17 (1*a–b*), *T.? saltaensis* **sp. n.** Tremadoc Argentina (Salta) p. 74 figs. 17 (2*a—e*), 18 reconstr., *T.* sp. p. 248, **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

*Trinodus suni* Troedsson p. 261 pl. cxxxviii figs. 8–9, **Lu.**

Trinucleacea see *Hanchungolithus, Nankinolithus, Ningkianolithus* **genn. n.**

Trinucleidae see *Clavatellus* **gen. n.**

Trinucleina see Hapalopleuridae **fam. n.**

*Trinucleoides reussi* (Barr.) p. 6, **Röhlich (1).**

*Trinucleus intermedius* Wade 1911 a synonym of *Salterolithus caractaci* (Murchison 1839) [quod vide] p. 284, **Cave.**

*Trinucleus primitivus* Born 1921 referred to *Myttonia* [quod vide] p. 267, **Whittard.**

*Triplagnostus* see *Ptychagnostus.*

*Trochurus* Beyrich 1845 referred to Ceratarginae **subfam. n.** with synonyms *Corydocephalus* Hawle & Corda and *Plusiarges* Gürich p. 117, *T. speciosus* Beyrich hypostome text-fig. 4U, **Tripp (1).**

*Tropidocoryphe memnon* (H. & C.) p. 435, *T. latens* (Barr.) p. 406, **Chlupáč.**

Tropidocoryphinae Přibyl 1946—Astycoryphinae Hupé a synonym p. 91*n*, **Přibyl.**

*Tropidopyge* Harrington & Kay probably referable to Hypermecaspididae p. 120, **Harrington & Leanza.**

*Tsinania canens* (Walcott) p. 269 pl. cxlvii figs. 9–10, **Lu.**

*Tsinania* sp. Sun 1939 [cranidium] and *Xenostegium* sp. S. 1939 [pygidium] may together constitute a sp. related to *Dictyella ? mansuyi* Kobayashi 1933 p. 370, **Kobayashi (1).**

*Tungtzuella* Sheng MS 1941 [**gen. n.**] [Asaphacea] p. 279 for type *T. kueichowensis* [*kweichowensis* on pl. expl.] S. [**sp. n.**] p. 280 pl. cxlvii figs. 2–4 Ordovician (Lower) China, **Lu** Index Fossils of China, Invertebrate, Part III 1957.

*Unguliproetus* see *Proetus.*

*Uralichas* Delgado 1892 with synonym *Platopolichas* Gürich 1901 discussed and referred to Lichinae p. 113, *U. avus* (Barrande) [type of *P.*] pygidium text-fig. 6L, hypostome text-fig. 4D, **Tripp (1).**

*Uromystrum affinis* (Poulsen) p. 106, **Cowie & Adams.**

Utiadae see *Amginouyia* **gen. n.**

*Vinicella* **gen. n.** [no family assigned, compared with *Albertella*] for type *Paradoxides desideratus* (Barrande 1846) p. 237 pl. i fig. 13 Cambrian (Middle) Bohemia, **Šnajdr** Vestn. úst. Úst. geol. **32** 1957.

*Vogdesia minnesotensis* (Foerste) p. 1048, **Weiss.**

*Volonellus granulatus, V. inflatus, V. magnus* Ivshin spp. p. 219, **Borukaev.**

*Wanneria ? nathorsti* Poulsen, *? W.* sp. p. 29, **Cowie & Adams.**

*Wanneria walcottanus* (Wanner)—small broad cephala may represent asexually-reproduced individuals p. 802, **Lemche.**

*Weberides mucronatus* McCoy p. 35, **Rowell & Scanlon.**

*Westergårdia* Raymond 1924 referred to Pelturinae with synonym *Sphaerophthalmoides* Hutchinson 1952 p. 253, *W. intermedia* Westergård 1944 p. 254, *W. lata* (Matthew

1891) for *Leptoplastus l.* M. with synonyms *Boeckia ? illaenopsis* W. 1909 and possibly *S. ornatus* H. 1952 p. 254 pl. xxviii figs. 7–10, *W. scanica* (W. 1909) p. 257 pl. xxviii fig. 6, *W.? inornata* Harrington & Kay 1951 doubtfully included p. 253, **Henningsmoen (1).**

*Westergårdites* Troedsson 1937 referred to Oleninae p. 154, *W. pelturaeformis* T. holotype refigured text-fig. 18, **Henningsmoen (1).**

*Westergårdites pelturaeformis* Troedsson p. 277 pl. cxlv fig. 9, **Lu.**

*? Weymouthia* sp. p. 26, **Cowie & Adams.**

*Wilbernia* Walcott 1924 may belong to new subfam. of Elviniidae p. 28, **Henningsmoen (1).**

*Wongia triangulata* Sun p. 273 pl. cxliii fig. 17, **Lu.**

*Xenostegium* sp. Sun 1939 combined with *Tsinania* sp. S. 1939 [quod vide] p. 370, **Kobayashi (1).**

*Xiphogonium* see *Proetus.*

*Yinites typicalis* Lu p. 262 pl. cxxxix figs. 2–3, **Lu.**

*Yunnanocephalus yunnanensis* (Mansuy) p. 262 pl. cxxxix fig. 10, **Lu.**

*Zacanthoides kelsayae* **sp. n.** for *Z.* [n.] sp. Shaw 1954 Cambrian (Middle) U.S.A. (Vermont) p. 791 pl. iic fig. 21, pl. ic figs. 16–17, **Shaw** J. Paleont. **31** 4 1957.

*Zacompsus* Raymond 1924 excluded from Olenidae p. 22, **Henningsmoen (1).**

*Zbirovia* Šnajdr 1955 [sic] discussed p. 187, *Z. arata* (Barrande 1872) p. 189 pl. iii figs. 8–12 text-figs. 15, 16 (S, T, V), 17, *Z. vaněki* nov. sp. [nom. nud.] p. 193, **Šnajdr (2).**

*Zbirovia arata* (Barr.) p. 24, **Röhlich (1).**

*Zbirovia* n. sp. [undescr.] Ordovician (Upper) Bohemia p. 415, **Röhlich (2).**

*Zdicella* **gen. n.** [Illaenidae] for type *Illaenus zeidleri* (Barrande 1872) lectotype selected [excluding record of G. & H. Termier 1950] p. 225 pl. v figs. 1–6 text-figs. 29 (E, F), 30 (CH, G, H) Ordovician (Upper) Bohemia, **Šnajdr** Sborn. úst. Úst. geol. **23** [Pal.] 1957.

*Zetillaenus* **gen. n.** [Illaenidae] p. 169 for type *Illaenus wahlenbergianus* Barrande 1852 lectotype selected with synonym *I. subtriangularis* Hawle & Corda p. 170 pl. v fig. 7, pl. viii figs. 1–5, text-figs. 8 (I–IV), 9 (X, Y) Ordovician (Upper) Bohemia, **Šnajdr** Sborn úst. Úst. geol. **23** [Pal.] 1957.

*Zuninaspis* **gen. n.** [Ogygiinae] p. 174 for type *Z. acuminata* **sp. n.** p. 175 figs. 85 (1–2) Ordovician (Lower) Argentina (Salta), **Harrington & Leanza** Spec. Publ. Dept. Geol. Univ. Kansas No. 1 1957.

? Gen. nov. [undescr.] (cf. *Cobboldites*) Cambrian (Lower) Greenland (East) p. 26, **Cowie & Adams.**

Gen. et sp. indet. [Familia incerta] —following records of Schmidt 1942 so considered *Agraulos* cf. *holocephalus*, cf. *Anomocarioides limbata* and cf. *Anomocarina excavata* pp. 26–27, **Sdzuy (2).**

Indeterminate cranidia (2) listed p. 785, **Shaw (3).**

N. gen. aff. *Housia* Cambrian (Upper) U.S.A. (Nevada) p. 118, Palmer *in* **Drewes & Palmer.**

New genus and New genus ? [undescr.] Ordovician (? Lower) Newfoundland p. 15, F. Rasetti *in* **Oxley.**

New genus A [undescr.] [Encrinurinae] Ordovician (Middle) U.S.A. (Virginia) p. 1724, **Evitt.**

New genus B [undescr.] [Encrinuridae, new subfamily] p. 1724 Ordovician (Middle) U.S.A. (Virginia), **Evitt.**

New subfamily [undescr.] [Encrinuridae] p. 1724, **Evitt.**

Opisthoparian free cheeks, gen. et sp. indt. pl. v fig. 11, **Kobayashi (1).**

Protaspis A [may belong to *Proetus beecheri* or near to *Licnocephala*] for the protaspides attributed to *Triarthrus becki* by Beecher 1893 p. 943 pl. cxv figs. 17–19, **Whittington (1).**

Protaspis B [may belong to Phacopoid] for the protaspides attributed by Beecher 1895 to *Proetus parviusculus* and by Ruedemann 1926 to *P. beecheri* p. 944 pl. cxv figs. 10–11, 15–16, 20, **Whittington (1)**.

Raymondova larva [Raymond's larva] (inc. speciei) listed p. 240, **Šnajdr (1)**.

Trilobite head possibly *Elrathia* p. 15, **Shaw (5)**.

Trilobite ind. p. 41 Ordovician (Middle) Greenland (East), **Cowie & Adams.**

Trilobite ind. (Bathyurid ?) p. 41 Ordovician (Middle) Greenland (East), **Cowie & Adams.**

Trilobite tail [compared with *Chariocephalus ? tumifrons* of Walcott 1884 pl. 10 fig. 6] p. 15, **Shaw (5)**.

Trilobites with "hammer-head" cranidia—discussion and morphological grouping into *Richardsonella, Levisella, Loganellus, Kainella, Pseudokainella* ; *Apatokephalus, Scinocephalus* ; *Menoparia* p. 497, **Ross.**

Undescribed genera Cambrian (Upper) U.S.A. (Nevada) p. 114, PALMER *in* **Drewes & Palmer.**

Undescribed trilobite Shaw & DeLand 1956 p. 16, **Shaw (5)**.

Undet. pygidium No. 1 Rasetti 1951 associated tentatively with *Dolichometopsis ?* sp. undet. p. 958, **Rasetti.**

Undetermined pygidium No. 1 [Dolichometopidae] Cambrian (Middle) Canada (B.C.) p. 960 pl. cxx fig. 12, **Rasetti.**

Undetermined pygidium no. 2 [may belong to *Onchocephalus maior* or *Parapoulsenia lata*] p. 967 pl. cxx fig. 16, Undetermined pygidium no. 3 [may belong to *O. skapta*] pl. cxx fig. 17, Undetermined pygidium no. 4 pl. cxx fig. 18, Undetermined pygidium no. 5 [may belong to *Schistometopus convexus* or *Kochaspis eiffelensis*] pl. cxx figs. 19–21 Cambrian (Middle) Canada (B.C.) [all referred to Ptychoparioidae], **Rasetti.**

Undetermined pygidium 1 [compared with Hintze 1953 pl. 9 fig. 9] p. 503 pl. xlii fig. 23, Undetermined pygidium 2 [compared with Ross 1951 pl. 19 figs. 30–31] p. 503 pl. xliii fig. 15 Ordovician (Lower) U.S.A. (Montana), **Ross.**

Unidentified hypostomes [undescr.] pl. xliii figs. 9 [associated with *Asaphellus ?* sp. and *Megalaspis planilimbata cyclopyge*] ,10 [associated with *Kayseraspis* aff. *asaphelloides*] Ordovician (Lower) U.S.A. (Montana), **Ross.**

Unidentified trilobites Cambrian U.S.A. (Wyoming) p. 222, **Woodward.**

Unnamed genus—*Pagodia circularis* and *P. c. convexa* Endo referred p. 372, **Kobayashi (1)**.

## IV.—ERRATA

Z. R. **92** 11 (for 1954) p. 2.

The article by **Heller,** R. L. published in Missouri geol. Surv. [Publ.] (2) **35**, although bearing the date 1954, was not distributed until Jan. 1956, and new species date from then.

In the article by **Keller,** B. M. & **Lisogor,** K. A. published in Trav. Inst. géol. U.R.S.S. **154** [Geol. No. 65], descriptions of Trilobita are by Lisogor to whom alone the erection of new taxa should be accredited.

Z. R. **93** 11 (for 1955) p. 5.

In title of article by **Lermontova,** E. V. (**2**), *for* Shody-Mira *read* Shody-Mir.

In title of article by **Lermontova,** E. V. (**3**), *for* Boshche-Kulya *read* Boshche-Kul [or Boshchekul].